

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	1
		ILLINOIS	CONTRACT NO. 62A41	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN UNINCORPORATED KANE COUNTY

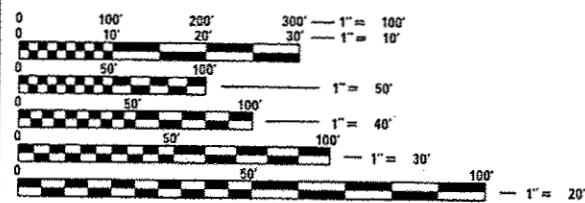
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 0341 – IL ROUTE 72 (HIGGINS ROAD)
AT TYLER CREEK
SECTION 2014-089B-R
PROJECT NUMBER: NHPP-0341(062)
CULVERT REPLACEMENT
KANE COUNTY

C-91-177-15

DESIGN DESIGNATION: OTHER PRINCIPAL ARTERIAL

2015 ADT = 8,500
2040 ADT = 14,000
DESIGN SPEED = 55 MPH
POSTED SPEED = 55 MPH

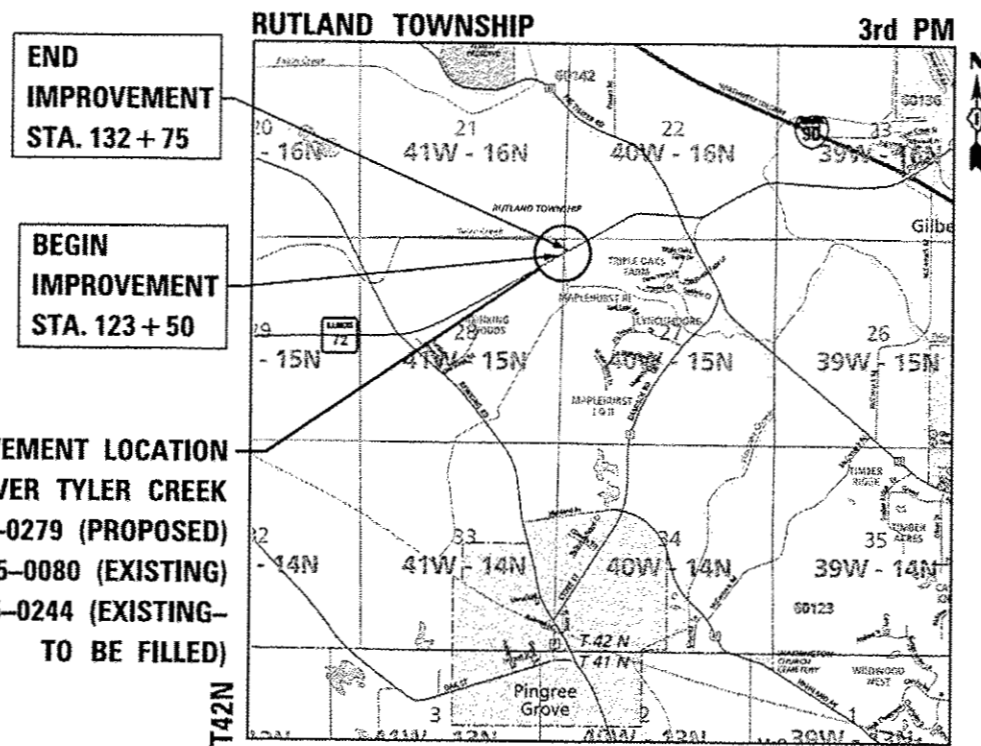


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: MS. RAGHAD ADEIS-DAHMAN, P.E. (847) 705-5783
PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178

CONTRACT NO. 62A41



END
IMPROVEMENT
STA. 132 + 75

BEGIN
IMPROVEMENT
STA. 123 + 50

IMPROVEMENT LOCATION
IL 72 OVER TYLER CREEK
STRUCTURE NO. 045-0279 (PROPOSED)
STRUCTURE NO. 045-0080 (EXISTING)
STRUCTURE NO. 045-0244 (EXISTING-
TO BE FILLED)

LOCATION MAP NOT TO SCALE R7E
GROSS AND NET LENGTH = 550 FT = 0.10 MILES



DATE SIGNED: 10/18/16
EXP. DATE: 11/30/16



DATE SIGNED: 10/17/16
EXP. DATE: 11/30/17



DATE SIGNED: 10/18/16
EXP. DATE: 11/30/17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 23, 17
Paul J. J. J.
REGIONAL ENGINEER

Maureen M. M. M.
ENGINEER OF DESIGN AND ENVIRONMENT

Maureen M. M. M.
DIRECTOR OF PROGRAM DEVELOPMENT

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Accurate
GROUP, INC.

WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

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59-65	IL RTE. 72 (HIGGINS ROAD) CROSS SECTIONS

IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
630001-11	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701321-16	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

COMMITMENTS

NONE

FILE NAME = D:\Engineering\LiveProjects\3883_1001_QUR\3883_1001_Contract No 62A41\CD00\CD00 Sheets\Civil\016241-Sht-Index Hwy std.dgn



USER NAME = pprathapan	DESIGNED - AB	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - JMT	REVISED -
PLOT DATE = 4/6/2017	DATE - 4/6/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE HIGHWAY STANDARDS
AND COMMITMENTS**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

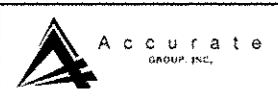
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-0898-R	KANE	65	2
				CONTRACT NO. 62A41
ILLINOIS FED. AID PROJECT				

Rev

GENERAL NOTES:

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0213 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE MADE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF PINGREE GROVE.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. THE ARTERIAL ROAD INFORMATION SIGN (TC-22) IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
9. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE PAID AT CONTRACT UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL".
10. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. THE CONTRACTOR SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (708) 741-9857 (EMAIL: DON.CHIARUGI@ILLINOIS.GOV), A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
12. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
13. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
14. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLow RESISTANT)" INCLUDED IN THE PLANS.
15. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF "SHORT TERM PAVEMENT MARKING".
16. THE THICKNESS OF HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
17. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
18. THE CONTRACTOR IS RESPONSIBLE FOR DIVERTING TYLER CREEK TO ALLOW CONSTRUCTION OF THE PROPOSED BOX CULVERT IN THE DRY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE DIVERSION(S).
19. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
20. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
21. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
22. DE-ENERGIZING COMED'S DISTRIBUTION LINES (12 KV) MAY BE NECESSARY IN ORDER TO ACCOMMODATE THE CONTRACTOR'S EQUIPMENT. CALL 1-800-EDISON1.

FILE NAME: D:\Engineering\LiveProjects\2003 IDOT DURS\3003n - WD 8 (WD 1) Contract No 62A41\CAD\CAD Sheets\Civil\0162A41-Sht-Gen Notes.dgn



USER NAME = pp-shapan	DESIGNED - AB	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 2.0000" = 1'	CHECKED - TGM	REVISED -
PLOT DATE = 11/21/2016	DATE = 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
IL ROUTE 72 (HIGGINS RD.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-0898-R	KANE	65	3
			CONTRACT NO. 62A41	
ILLINOIS FED. AID PROJECT				

FILE NAME : D:\Engineering\LiveProjects\13003\1001 D:\13003\1001 Contract No 62A41\CAD\CAD00 Sheets\Civil\0162A41-Sht-500.dgn

RURAL

CONSTRUCTION CODE	
80% FEDERAL	✓
20% STATE	
ROADWAY	BOX CIII VERT
0004 ✓	0004
RURAL ✓	045-0279

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BOX CIII VERT
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	20	20	
20101000	TEMPORARY FENCE	FOOT	1407	1407	
20200100	EARTH EXCAVATION	CU YD	670	670	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	300	300	
21101805	COMPOST FURNISH AND PLACE, 2"	SO YD	3250	3250	
25000300	SEEDING, CLASS 3	ACRE	0.75	0.75	
25100125	MULCH, METHOD 3	ACRE	0.75	0.75	
25100630	EROSION CONTROL BLANKET	SO YD	3250	3250	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	134	134	
28000305	TEMPORARY DITCH CHECKS	FOOT	60	60	
28000315	AGGREGATE DITCH CHECKS	TON	38	38	
28000400	PERIMETER EROSION BARRIER	FOOT	1833	1833	
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	3250	3250	
28100107	STONE RIPRAP, CLASS A4	SO YD	148		148

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* SPECIALTY ITEM



USER NAME - john	DESIGNED - PP	REVISED -
DRAWN - JN	CHECKED - TOM	REVISED -
PLOT SCALE - 2.0000" = 1'	DATE - 1/27/2017	REVISED -
PLOT DATE - 1/27/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-0898-R	KANE	65	4
CONTRACT NO. 62A41			ILLINOIS FED. AID PROJECT	

RURAL

CONSTRUCTION CODE	
80% FEDERAL	
20% STATE	
ROADWAY	BOX CULVERT
0004	0004
RURAL	045-0279

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
28200200	FILTER FABRIC	SO YD	148		148
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	1829	1829	
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	174	174	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	100	100	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1005	1005	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	42	42	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	107	107	
40701876	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"	SO YD	800	800	
44000100	PAVEMENT REMOVAL	SO YD	518	518	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	103	103	
48203028	HOT-MIX ASPHALT SHOULDERS, 7 3/4"	SO YD	912	912	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD	8.3		8.3
50300225	CONCRETE STRUCTURES	CU YD	13		13

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* SPECIALTY ITEM

FILE NAME : G:\Engineering\Live\Projects\13003 IDOT\BPR\13003 - NO 8 (V0 1) Contract No 62A41\CD00\CD00 Sheets\Civil\62A41-Sht-500.dgn



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	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/27/2017	DATE = 1/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL ROUTE 72 (HIGGINS RD.)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-0898-R	KANE	65	5
CONTRACT NO. 62A41			ILLINOIS FED. AID PROJECT	

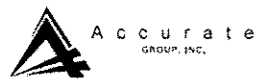
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RURAL

CONSTRUCTION CODE	
80% FEDERAL 20% STATE	
ROADWAY 0004	BOX CULVERT 0004
RURAL	045-0279

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	50780		50780
50800515	BAR SPLICERS	EACH	224		224
51500100	NAME PLATES	EACH	1		1
52200010	TEMPORARY SHEET PILING	SO FT	1513		1513
52200015	PERMANENT SHEET PILING	SO FT	834		834
54003000	CONCRETE BOX CULVERTS	CU YD	270.8		270.8
58700300	CONCRETE SEALER	SO FT	972		972
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	56		56
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	587.5	587.5	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	773	773	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2110	2110	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	

* SPECIALTY ITEM



USER NAME : john	DESIGNED - PP	REVISED -
DRAWN - JN	CHECKED - TOM	REVISED -
PLOT SCALE : 2,000' / in.	DATE - 1/27/2017	REVISED -
PLOT DATE : 1/27/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	6
CONTRACT NO. 62A41			ILLINOIS FED. AID PROJECT	

FILE NAME = G:\Engineering\Live\Projects\2013\1007 DNR\13003h - MO 8 IWO 13 Contract No 62441\CAD\CAD Sheets\Civil\0162441-Sht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CUL VERT
				0004	0004
				RURAL	045-0279
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	LSUM	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
X701500S	CHANGEABLE MESSAGE SIGN	CAL PA	56	56	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	300	300	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	70	70	
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	5064	5064	
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	104	104	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	475	475	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	425	425	
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	175	175	
* 70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
* 70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	

RURAL

* SPECIALTY ITEM



USER NAME = john	DESIGNED - PP	REVISED -
PLOT SCALE = 2.0000 "/>		
PL0T DATE = 1/27/2017	DATE = 1/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-0898-R	KANE	65	7
CONTRACT NO. 62A41			ILLINOIS FED. AID PROJECT	

REV

FILE NAME : G:\Engineering\Live\Projects\13003 1001 DNR\13003 - NO B I\NO 13 Contract No 62A41\CD00\CD00 Sheets\Civil\02A41-Sht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				0004	0004
				RURAL	045-0279
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1280	1280	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	102	102	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3	3	
* 78100300	REPLACEMENT REFLECTOR	EACH	10	10	
* 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	13	13	
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	52	52	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	3	3	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	LSUM	1	1	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	1150	1150	
X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.75	0.75	
* X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	75		75
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	204	204	

* SPECIALTY ITEM

RURAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 72 (HIGGINS RD.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-0898-R	KANE	65	8
CONTRACT NO. 62A41			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.



USER NAME = john	DESIGNED - PP	REVISED -
PLOT SCALE = 2,000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 1/27/2017	CHECKED - TGM	REVISED -
	DATE - 1/27/2017	REVISED -

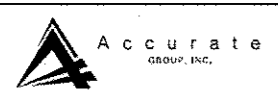
REV TO 10/17

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				0004	0004
				RURAL	045-0279
X7240300	SIGN REMOVAL	EACH	2	2	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	
Z0062456	TEMPORARY PAVEMENT	SQ YD	84	84	
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	896	896	
X0322128	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ YD	195		195

RURAL

* SPECIALTY ITEM

FILE NAME : D:\Engineering\Live\Projects\2013\DOT DUR\13003h - WD 8 (WD 1) Contract No 62441\CADD\CADD Sheets\Civil\62441-Sht-500.dgn



USER NAME : john	DESIGNED - PP	REVISED -
DRAWN - JN	CHECKED - TGM	REVISED -
PLOT SCALE : 2.0000' / in.	DATE - 1/27/2017	REVISED -

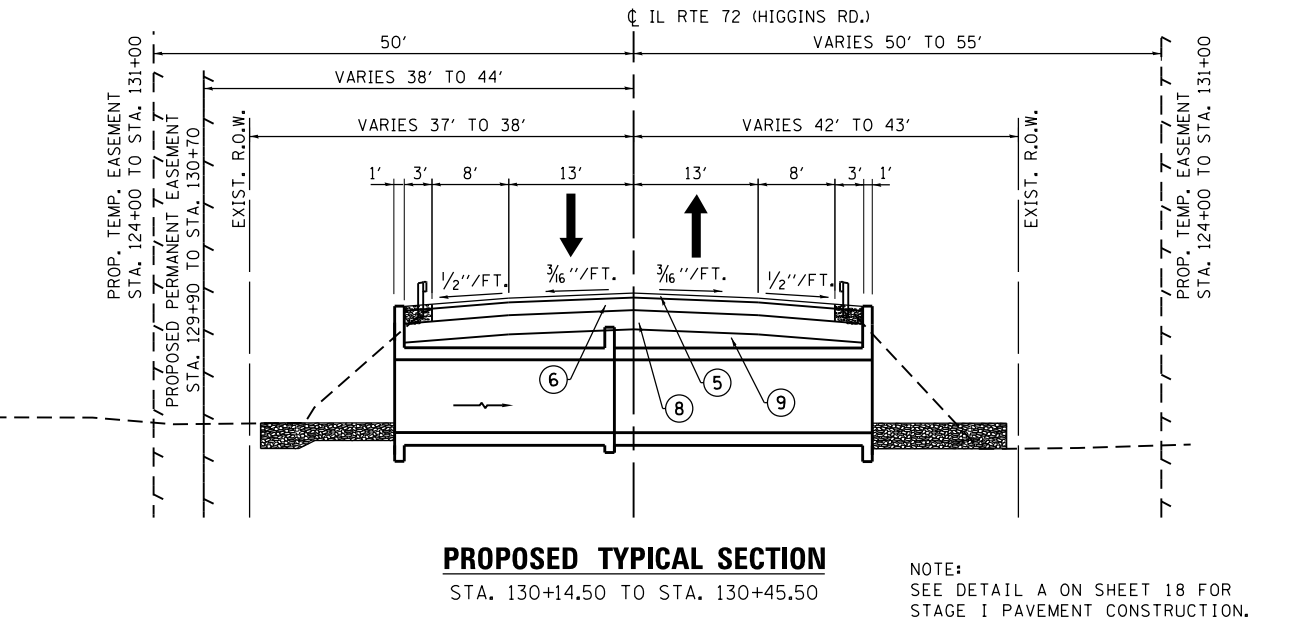
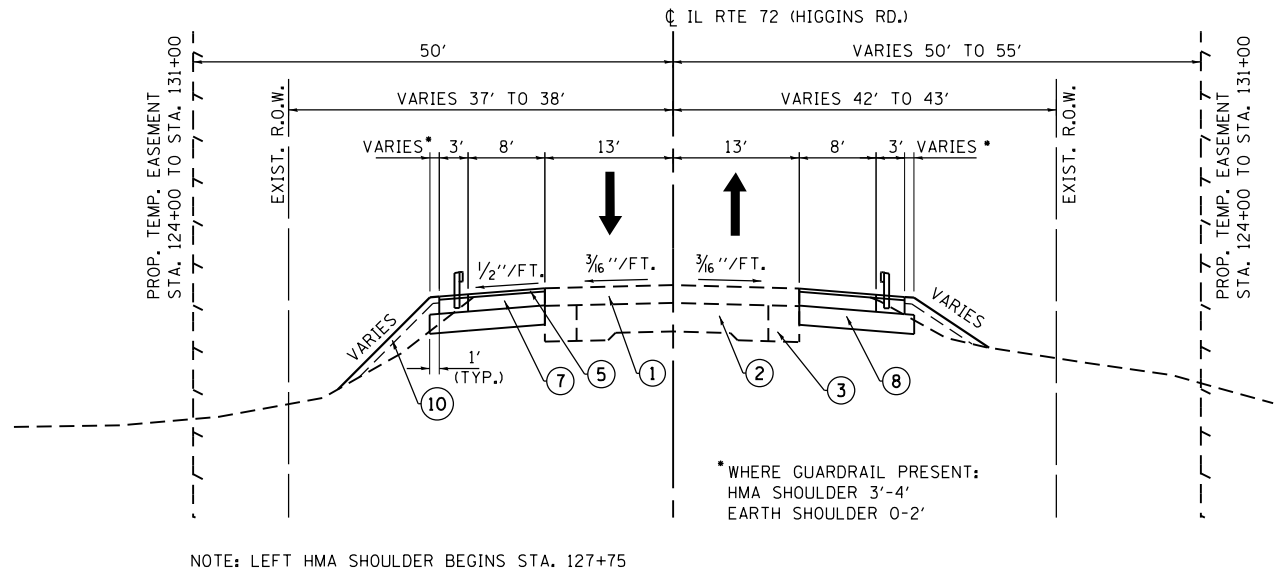
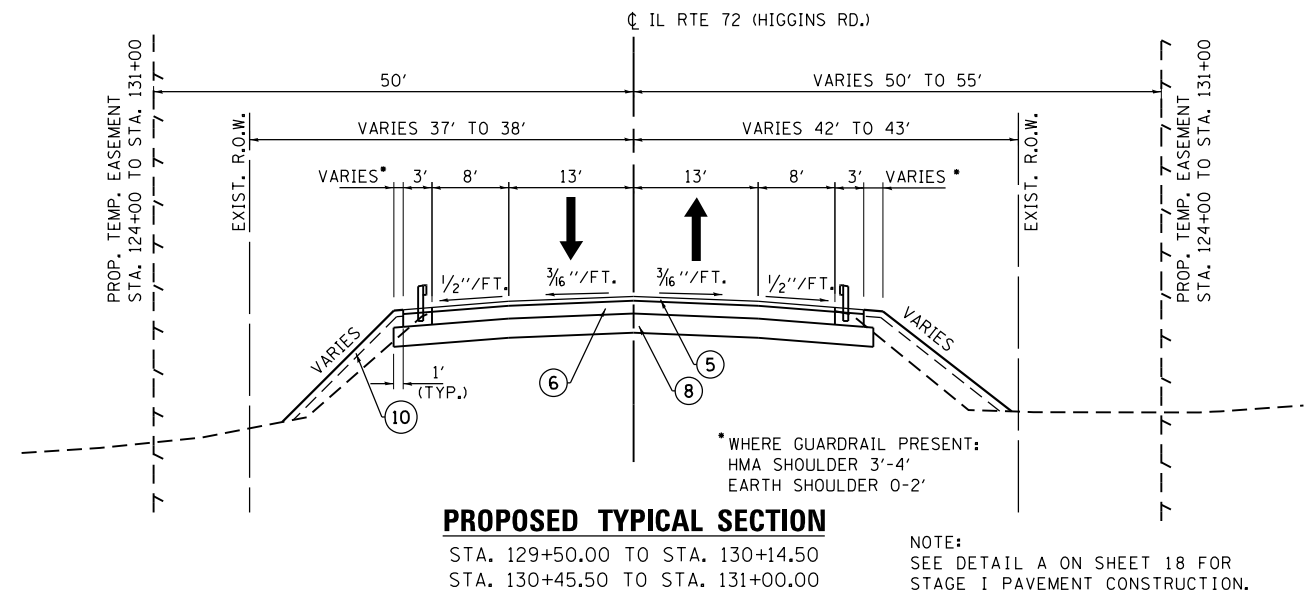
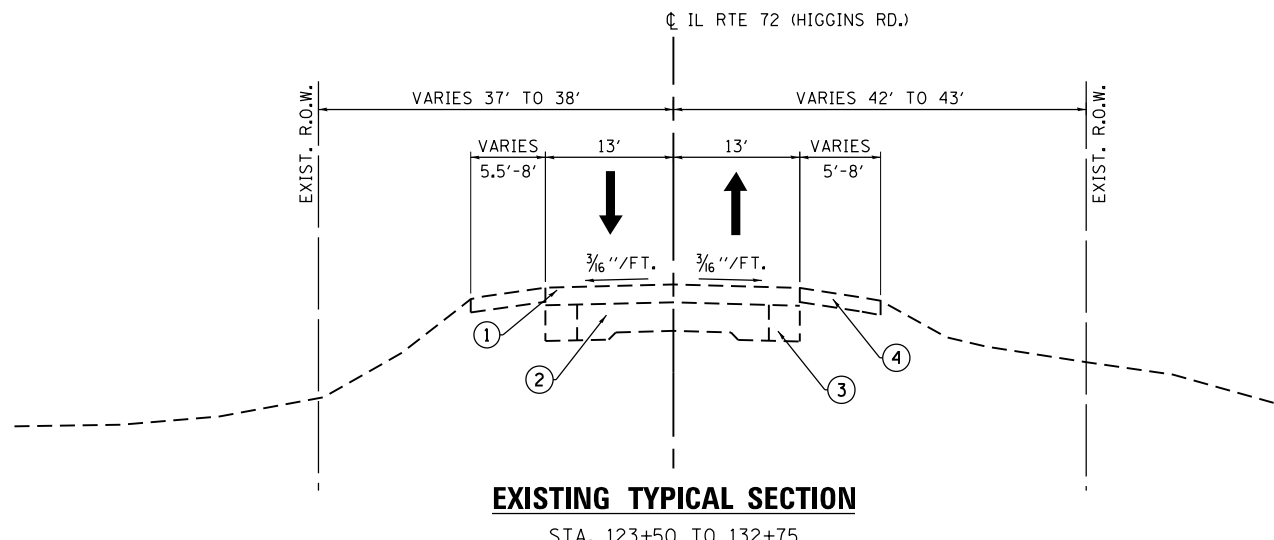
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A41	

REV



LEGEND

① EXISTING HMA PAVEMENT	⑥ PROPOSED HMA BASE COURSE, 7 3/4"
② EXISTING 9"-7"-9" PCC PAVEMENT	⑦ PROPOSED HMA SHOULDER, 7 3/4"
③ EXISTING 9" HMA BASE COURSE WIDENING	⑧ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
④ EXISTING AGGREGATE SHOULDER	⑨ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B
⑤ PROPOSED HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2"	⑩ PROPOSED TOPSOIL, 4" WITH SEEDING CLASS 3 AND SEEDING CLASS 4B (MODIFIED)

HMA MIXTURE REQUIREMENTS CHART

OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
HMA PAVEMENT (FULL-DEPTH), 9 3/4"	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2" HMA BASE COURSE, (HMA BINDER IL-19.0), 7 3/4"	4% @ 70 GYR. 4% @ 70 GYR.	QC/QA QC/QA
HMA SHOULDER	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2" HMA SHOULDER (HMA BINDER IL-19.0), N70, 7 3/4"	4% @ 70 GYR. 4% @ 70 GYR.	QC/QA QC/QA
*TEMPORARY PAVEMENT	TEMP PAVEMENT (HMA BINDER IL-19.0), 10"	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)			

- NOTES:**
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
 - THE "AC TYPE" FOR NON-POLYMERIZED HMA SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 - FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
 - QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE
 - *THE PC CONCRETE TEMPORARY PAVEMENT OPTION SHALL CONSIST OF PCC PAVEMENT 10" THICK MEETING THE REQUIREMENTS OF SECTION 1020 OF THE STANDARD SPECIFICATIONS FOR CLASS PV CONCRETE. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUV\13003h - W0 8 IWO IJ Contract No 62A41\CA00\CA00 Sheets\Civil\0162A41-Sht-Typical Section.dgn



USER NAME = pprathapan	DESIGNED - JMT	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS IL ROUTE 72 (HIGGINS RD.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	10
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT PAVEMENT SCHEDULE					
LOCATION STATION TO STATION	OFFSET (LT/RT)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4" (SQ YD)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	HOT-MIX ASPHALT SHOULDERS, 7 1/2" (SQ YD)
126+99.75 TO 129+50	RT		138	34	306
127+75 TO 129+50	LT		89	22	199
129+45.50 TO 129+50	LT & RT		9	2.5	
129+50 TO 131+00	LT & RT	800	540		
131+00 TO 131+04.50	LT & RT		9	2.5	
131+00 TO 132+75	LT		95	24	214
131+00 TO 132+75	RT		89	22	193
TOTAL		800	1005	107	912

PAVEMENT REMOVAL SCHEDULE			
LOCATION STATION TO STATION	OFFSET (LT/RT)	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT (SQ YD)	PAVEMENT REMOVAL (SQ YD)
129+45.50 TO 129+50	LT & RT	21	
129+50 TO 131+00	LT & RT		434
129+50 TO 131+00	RT		84
131+00 TO 131+04.50	LT & RT	21	
TOTAL		42	518

TEMPORARY PAVEMENT SCHEDULE	
LOCATION STATION TO STATION	TEMPORARY PAVEMENT (SQ YD)
129+50 TO 131+00	84

GUARDRAIL AND TRAFFIC BARRIER SCHEDULE					
LOCATION STATION TO STATION	OFFSET (LT/RT)	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS, TYPE B (EACH)
128+58.75 TO 128+98.75	LT		1	1	
128+98.75 TO 130+11.25	LT	112.5			5
130+48.75 TO 131+98.75	LT	150			
130+98.75 TO 132+38.75	LT		1	1	
127+33.75 TO 127+73.75	RT		1	1	
127+73.75 TO 130+11.25	RT	237.5			5
130+48.75 TO 131+36.25	RT	87.5			
131+36.25 TO 131+76.25	RT		1	1	
TOTAL		587.5	4	4	10

PAVEMENT MARKING REMOVAL SCHEDULE		
LOCATION STATION TO STATION	LINE COLOR / TYPE	PAVEMENT MARKING REMOVAL (SQ FT)
STAGE I		
126+10 TO 128+75	YELLOW SKIP DASH	27
127+25 TO 132+48	WHITE EDGE LINE	174
130+75 TO 134+60	YELLOW SKIP DASH	37
STAGE II		
127+75 TO 129+50	WHITE EDGE LINE	58
131+00 TO 132+75	WHITE EDGE LINE	58
STAGE I EXCEPT 129+50 TO 131+00	TEMPORARY TAPE	320
STAGE II	TEMPORARY TAPE	476
TOTAL		1150

SIGN REMOVAL SCHEDULE		
LOCATION	OFFSET (LT/RT)	SIGN REMOVAL (EACH)
123+50	RT	1
125+83	LT	1
TOTAL		2

TREE REMOVAL SCHEDULE		
STATION	OFFSET (LT/RT)	6-15 UNITS QUANTITY (UNITS)
130+50	LT	8
130+50	LT	12
TOTAL		20

AGGREGATE SCHEDULE				
LOCATION STATION TO STATION	OFFSET (LT/RT)	AGGREGATE SUBGRADE IMPROVEMENT, 12 INCH (SQ YD)	SUBBASE GRANULAR MATERIAL, TYPE B 4 INCH (SQ YD)	SUBBASE GRANULAR MATERIAL, TYPE B (TON)
127+00 TO 129+50	LT & RT	551		
129+50 TO 131+00	RT		100	
129+50 TO 131+00	LT & RT	833		174
131+00 TO 132+75	LT & RT	445		
TOTAL		1829	100	174

PAVEMENT MARKER SCHEDULE				
LOCATION STATION TO STATION	COLOR / TYPE	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	REPLACEMENT REFLECTOR (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)
126+10 TO 129+45.50	TWO WAY AMBER		5	
129+45.50 TO 131+04.50	TWO WAY AMBER	3		3
131+04.50 TO 134+60	TWO WAY AMBER		5	
TOTAL		3	10	3

LANDSCAPING SCHEDULE								
LOCATION STATION TO STATION	OFFSET (LT/RT)	SEEDING, CLASS 3 (ACRE)	SEEDING, CLASS 4B (MODIFIED) (ACRE)	MULCH, METHOD 3 (ACRE)	EROSION CONTROL BLANKET (SQ YD)	COMPOST FURNISH AND PLACE, 2" (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND) 2 APPLICATIONS	TEMPORARY EROSION CONTROL BLANKET (SQ YD)
123+50 TO 126+00	RT	0.13	0.13	0.13	615	615	25	615
124+00 TO 126+00	LT	0.10	0.10	0.10	489	489	20	489
127+50 TO 130+14	LT	0.11	0.11	0.11	547	547	23	547
126+50 TO 130+10	RT	0.16	0.16	0.16	762	762	32	762
130+46 TO 133+00	LT	0.10	0.10	0.10	465	465	19	465
130+46 TO 133+00	RT	0.08	0.08	0.08	372	372	15	372
ROUNDED TOTAL		0.75	0.75	0.75	3250	3250	134	3250

PAVEMENT MARKING SCHEDULE				
LOCATION STATION TO STATION	OFFSET (LT/RT)	LINE COLOR / TYPE	THERMOPLASTIC PAVEMENT MARKING-LINE 4 INCH (FT)	THERMOPLASTIC PAVEMENT MARKING-LINE 12 INCH (FT)
126+10 TO 134+60		YELLOW DASH LINE	230	
127+00 TO 132+75	RT	WHITE EDGE LINE	575	
127+75 TO 132+75	LT	WHITE EDGE LINE	500	
127+00 TO 132+75	RT	WHITE DIAGONAL LINE		51
127+75 TO 132+75	LT	WHITE DIAGONAL LINE		51
TOTAL			1305	102

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41 CAD\00 CAD Sheets\Civil\0162A41-Sht-SchedQuant.dgn



USER NAME = pprathapan	DESIGNED - AB	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - TGM	REVISED -
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES IL ROUTE 72 (HIGGINS RD.)			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A.P. RE. 0341	SECTION 2014-089B-R	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 11
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE PRE-STAGE (IL RTE. 72)								TOPSOIL EXCAVATION AND PLACEMENT (IL RTE 72)			
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	FILL (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	TOP SOIL CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	
127+00.00		14.54			7.97			4.65			
127+50.00	50.00	16.34	15.44	28.6	7.97	7.97	14.8	5.59	5.12	9.5	
128+00.00	50.00	13.34	14.84	27.5	23.86	15.91	29.5	7.44	6.52	12.1	
128+50.00	50.00	15.00	14.17	26.2	9.84	16.85	31.2	5.97	6.71	12.4	
129+00.00	50.00	15.71	15.36	28.4	10.18	10.01	18.5	5.70	5.83	10.8	
129+50.00BK	50.00	13.90	14.80	27.4	11.50	10.84	20.1	8.27	6.98	12.9	
129+50.00AH	8.00				0.85			0.00			
129+75.00	25.00	7.52	7.76	7.2	0.72	0.78	0.7	0.00	0.00	0.0	
129+88.00	13.00	7.52	7.52	3.6	0.72	0.72	0.3	0.00	0.00	0.0	
130+00.00	12.00	7.52	7.58	3.4	0.72	0.71	0.3	0.00	0.00	0.0	
130+30.00	30.00	7.63	7.67	8.5	0.70	0.69	0.8	0.00	0.00	0.0	
130+50.00	20.00	7.72	7.67	5.7	0.69	0.70	0.5	0.00	0.00	0.0	
130+72.00	22.00	7.63	7.86	6.4	0.71	0.76	0.6	0.00	0.00	0.0	
130+85.00	13.00	8.10	8.10	3.9	0.81	0.81	0.4	0.00	0.00	0.0	
131+00.00BK	15.00	7.69	4.39	2.4	0.81	0.78	0.4	0.00	0.00	0.0	
131+00.00AH	50.00	19.44	17.15	31.8	4.78	8.51	15.8	6.21	6.22	11.5	
131+50.00	50.00	14.86	15.92	29.5	12.24	7.04	13.0	6.24	4.58	8.5	
132+00.00	50.00	16.99	15.98	29.6	1.84	2.25	4.2	2.92	2.81	5.2	
132+50.00	25.00	14.98	16.21	15.0	2.67	3.18	2.9	2.70	3.10	2.9	
132+75.00		17.43			3.70			3.51			
				287.1					154.0	85.8	

SUMMARY OF EARTHWORK SCHEDULE (IL RTE. 72)				
LOCATION STATION TO STATION	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	FILL (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE(-)
127+00 TO 132+75 (PRE-STAGE)	287.1	244.0	154.0	90.0
123+50 TO 133+00 (STAGE I)	322.0	273.7	237.6	36.1
129+50 TO 131+00 (STAGE II)	60.3	51.3	27.0	24.3
TOTAL	669.4	569.0	418.6	150.4

EARTHWORK SCHEDULE STAGE I (IL RTE. 72)								TOPSOIL EXCAVATION AND PLACEMENT (IL RTE 72)			
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	FILL (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	TOP SOIL CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	
123+50.00		0.00			0.00			0.00			
124+00.00	50.00	0.43	0.21	0.4	10.93	5.47	10.1	7.75	3.88	7.2	
124+50.00	50.00	7.04	3.73	6.9	11.50	10.74	20.8	15.94	11.84	21.9	
124+75.00	25.00	2.63	4.83	4.5	9.98	10.74	9.9	15.97	15.95	14.8	
125+00.00	25.00	3.59	3.11	2.9	105.74	57.86	53.6	11.15	13.56	12.6	
125+25.00	25.00	0.82	2.20	2.0	22.53	64.14	59.4	14.90	13.02	12.1	
125+50.00	25.00	1.86	1.34	1.2	13.99	18.26	16.9	14.78	14.84	13.7	
126+00.00	50.00	0.00	0.93	1.7	0.00	7.00	13.0	0.00	7.39	13.7	
126+50.00	50.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	
127+00.00	50.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	
127+25.00	25.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	
127+50.00	25.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	
128+00.00	50.00	15.42	7.71	14.3	1.90	0.95	1.8	4.30	2.15	4.0	
128+50.00	50.00	18.65	17.04	31.5	2.39	2.14	4.0	4.73	4.52	8.4	
129+00.00	50.00	17.37	18.01	33.3	8.10	5.24	9.7	5.94	5.33	9.9	
129+50.00BK	50.00	19.56	18.46	34.2	3.31	5.71	10.6	6.10	6.02	11.1	
129+50.00AH	27.07				3.31			6.10			
129+75.00	25.00	25.26	26.17	24.2	4.64	3.98	3.7	4.99	5.54	5.1	
129+88.00	13.00	25.26	25.26	12.2	4.64	4.64	2.2	4.99	4.99	2.4	
130+00.00	12.00	EARTHWORK BETWEEN STA. 129+88 AND STA. 130+72 IS INCLUDED IN THE EXCAVATION FOR THE STRUCTURE						5.95	5.47	2.4	
130+30.00	30.00							0.00	2.97	3.3	
130+50.00	20.00							3.25	1.63	1.2	
130+72.00	22.00							5.07	4.16	3.4	
130+85.00	13.00	28.52	28.52	13.7	2.88	2.88	1.4	5.07	5.07	2.4	
131+00.00BK	15.00	29.54	29.03	16.1	4.02	3.45	1.9	7.23	6.15	3.4	
131+00.00AH	20.21				4.02			7.23			
131+50.00	50.00	19.65	19.65	36.4	2.89	3.45	6.4	4.30	5.76	10.7	
132+00.00	50.00	18.62	18.85	34.9	3.27	3.08	5.7	3.58	3.94	7.3	
132+50.00	50.00	18.64	18.63	34.5	1.65	2.46	4.6	3.12	3.35	6.2	
132+75.00	25.00	18.32	18.32	17.0	2.98	2.31	2.1	3.51	3.31	3.1	
				322.0					237.6	180.2	

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41\CADD\CADD Sheets\Civil\0162A41-Sht-SchedQuant.dgn



USER NAME = pprathapan
 DRAWN - JN
 CHECKED - TGM
 DATE - 11/21/2016

DESIGNED - AB
 DRAWN - JN
 CHECKED - TGM
 DATE - 11/21/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	12
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE STAGE II (IL RTE. 72)							TOPSOIL EXCAVATION AND PLACEMENT (IL RTE 72)			
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	FILL (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	TOP SOIL CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)
129+50.00		24.58			11.50			8.27		
	25.00		24.76	22.9		12.82	11.9		8.09	7.5
129+75.00		24.95			14.15			7.92		
	13.00		24.95	12.0		14.15	6.8		7.92	3.8
129+88.00		24.95			14.15			7.92		
	12.00							8.16		3.6
130+00.00								8.40		
	30.00							4.20		4.7
130+30.00								0.00		
	20.00							2.49		1.8
130+50.00								4.97		
	22.00							6.53		5.3
130+72.00		23.11			9.23			8.09		
	13.00		23.11	11.1	9.23	4.4		8.09		3.9
130+85.00		23.11			9.23			8.09		
	15.00		25.66	14.3	7.01	3.9		7.15		4.0
131+00.00		28.21			4.78			6.21		
				60.3			27.0			34.6

EARTHWORK BETWEEN STA. 129+88 AND STA. 130+72 IS INCLUDED IN THE EXCAVATION FOR THE STRUCTURE

TEMPORARY CONCRETE BARRIER SCHEDULE			
LOCATION STATION TO STATION	TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)	BARRIER WALL REFLECTORS, TYPE C (EACH)
STAGE I:			
128+12.50 TO 129+25	112.5		10
129+25 TO 131+25	200		16
131+25 TO 132+37.50	112.5		10
STAGE II:			
127+88 TO 129+25		137	
129+25 TO 131+25		200	
131+25 TO 132+61	50	86	6
25% DAMAGE			10
TOTAL	475	425	52

TEMPORARY FENCE SCHEDULE		
LOCATION STATION TO STATION	OFFSET (LT/RT)	TEMPORARY FENCE (FOOT)
123+85 TO 124+01	39' RT	16
123+85 TO 124+01	39' LT	16
124+01 TO 127+01	39' TO 49' RT	310
124+01 TO 130+07	39' TO 49' LT	616
127+01 TO 128+99	49' TO 54' RT	203
128+99 TO 130+03	54' TO 49' RT	109
130+55 TO 131+15	49' TO 39' RT	70
130+58 TO 131+15	49' TO 39' LT	67
TOTAL		1407

PAVEMENT MARKING TAPE, TYPE IV SCHEDULE				
LOCATION STATION TO STATION	COLOR	4 INCH (FT)	24 INCH (FT)	TEMPORARY PAVEMENT MARKING REMOVAL (SQ FT)
STAGE I				
126+10	WHITE		13	26
126+72 TO 128+75, LT	WHITE	203		68
127+25 TO 128+19, RT	WHITE	94		31
128+19 TO 128+72, RT	WHITE	53		18
128+72 TO 131+75, RT	WHITE	303		101
128+75 TO 131+75, LT	WHITE	300		100
131+75 TO 132+48, RT	WHITE	73		24
131+75 TO 134+10, LT	WHITE	235		78
STAGE II				
126+29 TO 128+75, RT	WHITE	246		82
127+75 TO 128+75, LT	WHITE	100		33
128+75 TO 131+75, RT	WHITE	300		100
128+75 TO 131+75, LT	WHITE	300		100
131+75 TO 134+00, RT	WHITE	225		75
131+75 TO 132+75, LT	WHITE	100		33
134+60	WHITE		13	26
MULTIPLYING FACTOR		2	4	1
TOTAL		5064	104	895

DITCH CHECKS SCHEDULE			
STATION	OFFSET (LT/RT)	TEMPORARY DITCH CHECKS (FOOT)	AGGREGATE DITCH CHECKS (TON)
130+00	34' LT	10	
130+00	35' RT	10	9.5
130+00	35' LT		9.5
130+60	35' LT	10	9.5
130+60	35' RT	10	9.5
131+42	26' RT	10	
132+00	28' LT	10	
TOTAL		60	38

TEMPORARY IMPACT ATTENUATORS SCHEDULE		
LOCATION STATION TO STATION	TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)
127+88		1
128+00	1	
132+37.5	1	
132+61		1
TOTAL	2	2

SHORT TERM PAVEMENT MARKING SCHEDULE			
LOCATION STATION TO STATION	OFFSET (LT/RT)	SHORT TERM PAVEMENT MARKING (FOOT)	SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)
126+10 TO 134+60	CL	120	31
127+25 TO 132+75	LT & RT	180	39
TOTAL		300	70

PINNING TEMPORARY CONCRETE BARRIER SCHEDULE	
LOCATION STATION TO STATION	PINNING TEMPORARY CONCRETE BARRIER (EACH)
STAGE I	
128+11 TO 132+38	96
STAGE II	
127+88 TO 132+61	108
TOTAL	204

GUARDRAIL REMOVAL SCHEDULE	
LOCATION STATION TO STATION	GUARDRAIL REMOVAL (FOOT)
124+01 TO 125+80	179
123+52 TO 125+66	214
129+28 TO 131+18	190
129+34 TO 131+24	190
TOTAL	773

TEMPORARY RUMBLE STRIPS SCHEDULE	
LOCATION STATION TO STATION	TEMPORARY RUMBLE STRIPS (EACH)
109+10	1
114+10	1
119+10	1
141+60	1
146+60	1
151+60	1
TOTAL	6

PERIMETER EROSION BARRIER SCHEDULE		
LOCATION STATION TO STATION	OFFSET (LT/RT)	PEB (FOOT)
123+40 TO 124+01	38' RT	61
123+40 TO 124+01	38' LT	61
124+01 TO 127+01	38' TO 48' RT	310
124+01 TO 130+07	38' TO 48' LT	616
127+01 TO 128+99	48' TO 53' RT	203
128+99 TO 130+03	53' TO 48' RT	109
130+55 TO 132+00	48' TO 38' RT	155
130+60 TO 131+50	46' TO 38' LT	92
131+50 TO 132+85	38' TO 32' LT	141
132+00 TO 132+85	39' TO 30' RT	85
TOTAL		1833

TEMPORARY GUARDRAIL SCHEDULE			
LOCATION STATION TO STATION	OFFSET (LT/RT)	TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A (FOOT)	GUARDRAIL REFLECTORS, TYPE B (EACH)
129+36 TO 131+11	RT	175.0	3

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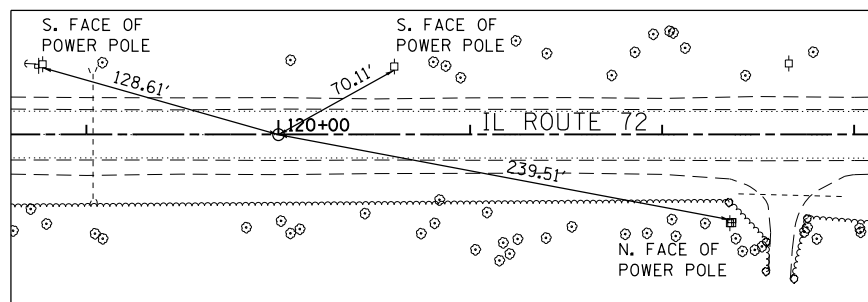
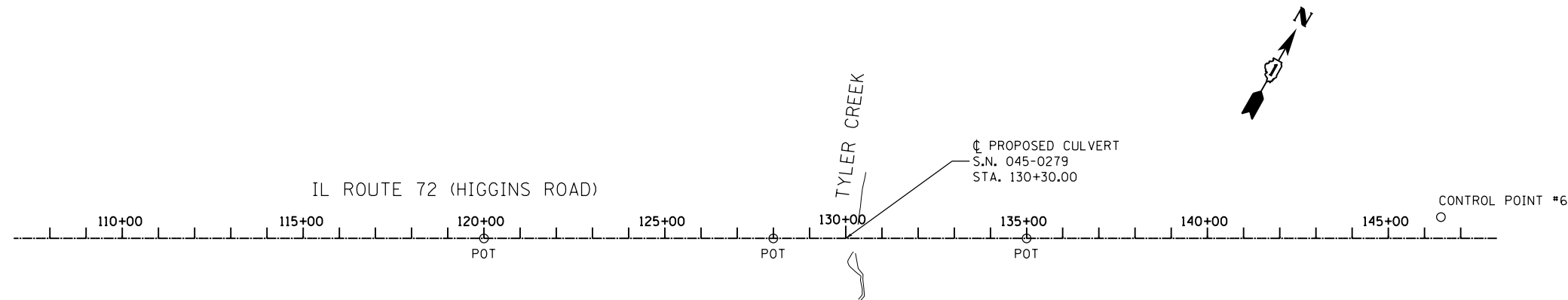


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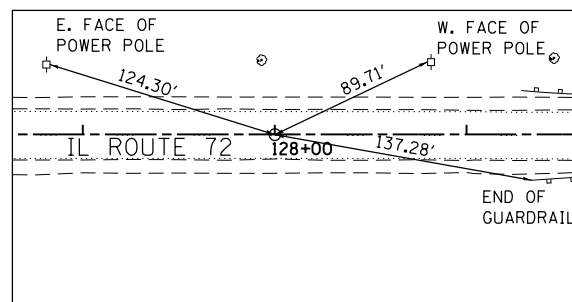
SCHEDULE OF QUANTITIES		IL ROUTE 72 (HIGGINS RD.)	
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	13
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				



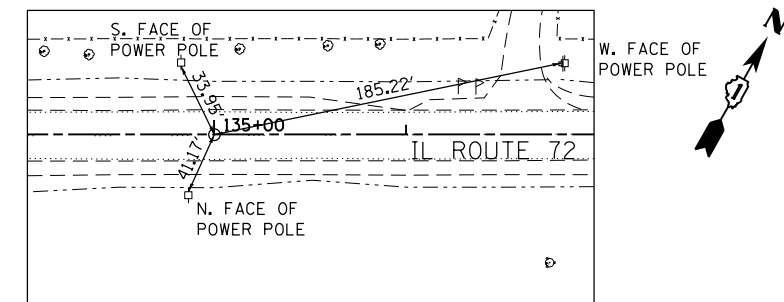
**CENTERLINE TIE
IL ROUTE 72 (HIGGINS ROAD)**

MAG NAIL
STA. 120+00.00 - POT
N 1976473.97
E 961546.73



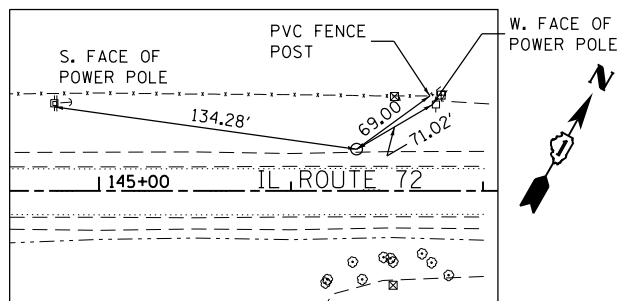
**CENTERLINE TIE
IL ROUTE 72 (HIGGINS ROAD)**

MAG NAIL
STA. 128+00.00 - POT
N 1976867.34
E 962243.34



**CENTERLINE TIE
IL ROUTE 72 (HIGGINS ROAD)**

MAG NAIL
STA. 135+00.00 - POT
N 1977211.53
E 962852.87



**CONTROL POINT #6
IL ROUTE 72 (HIGGINS ROAD)**

IRON ROD WITH CAP
STA. 146+34.17, 22.40' LT
N 1977776.13
E 963807.12

BENCHMARKS

TBM "A" - SET 4" YELLOW CAPPED ELEVATION NAIL IN THE SOUTH FACE OF POWER POLE TO THE NORTH LINE OF IL 72 EAST OF NORTHEAST WINGWALL OF TYLER CREEK BRIDGE. STA. 130+82.21, 37' LT. ELEVATION= 902.87 (NAVD 88)

NGS MONUMENT NH0072 - 3.2 MI. NW FROM UDINA. ABOUT 2.6 MILES NORTHWEST ALONG U.S. HIGHWAY 20 FROM THE NORTHEAST CORNER OF THE UDINA CEMETERY AT UDINA, THENCE 0.6 MILE NORTHWEST ALONG REINKING ROAD, IN SECTION 33, T 42N, R 7E, 75 YARDS NORTH OF THE END OF A PAVED ROAD, 29 FEET EAST OF THE CENTER LINE OF A GRAVELED ROAD, 100 FEET SOUTH OF A TELEPHONE POLE, ABOUT 1 FOOT WEST OF A FENCE, 1.0 FOOT NORTH OF A METAL WITNESS POST, ABOUT 1 FOOT ABOVE THE LEVEL OF THE ROAD, AND SET IN THE TOP OF A CONCRETE POST WHICH IS LEVEL WITH THE SURFACE OF THE GROUND. ELEVATION= 935.84 (NAVD 88)

CONTROL POINT #6 - IRON ROD WITH CAP ON IL RTE. 72 (HIGGINS ROAD) AT STATION 146+04.04, OFFSET 18.41' LEFT. ELEVATION= 919.33 (NAVD 88)

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DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
IL ROUTE 72 (HIGGINS RD.)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	14
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

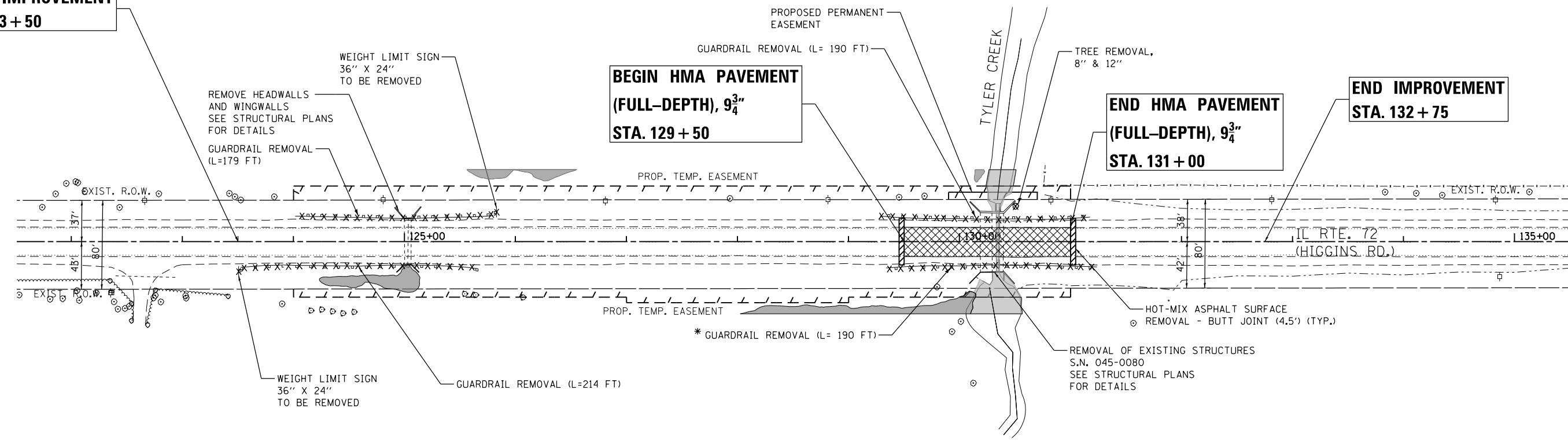


**BEGIN IMPROVEMENT
STA. 123 + 50**

**BEGIN HMA PAVEMENT
(FULL-DEPTH), 9³/₄"
STA. 129 + 50**

**END HMA PAVEMENT
(FULL-DEPTH), 9³/₄"
STA. 131 + 00**

**END IMPROVEMENT
STA. 132 + 75**



LEGEND

* NOTE:
REMOVE DURING PRE-STAGE CONSTRUCTION
(SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS SHEET)

- ✕✕✕✕✕✕ GUARDRAIL REMOVAL
- ▨ PAVEMENT REMOVAL
- ⊗ TREE REMOVAL

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DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
IL ROUTE 72 (HIGGINS RD.)**
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

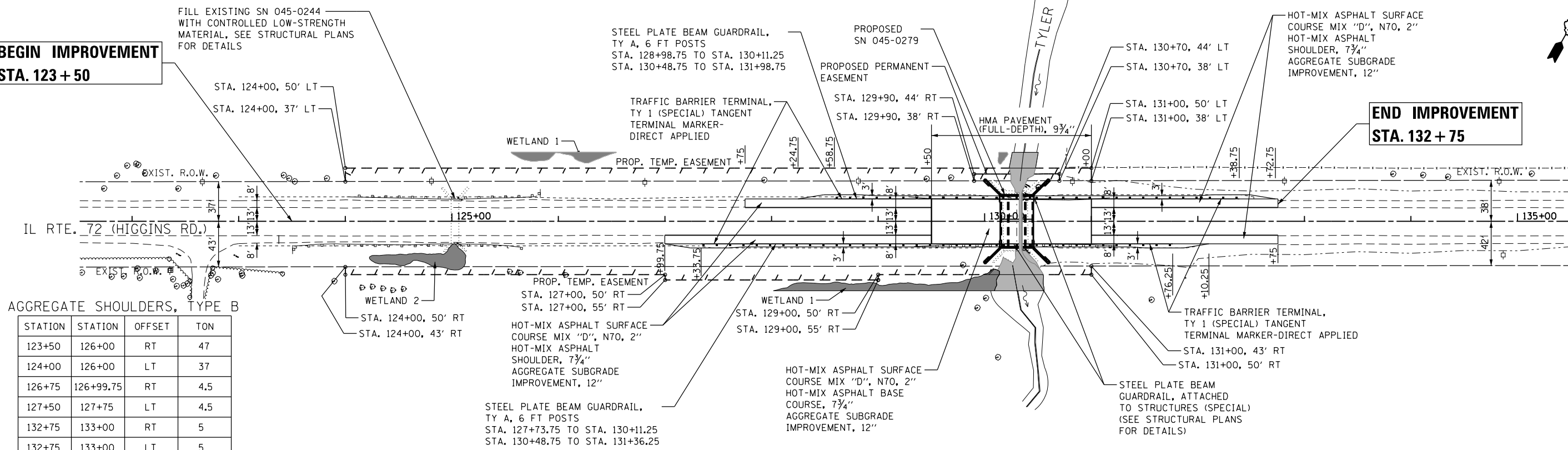
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTED	
	NO.	
	BY	

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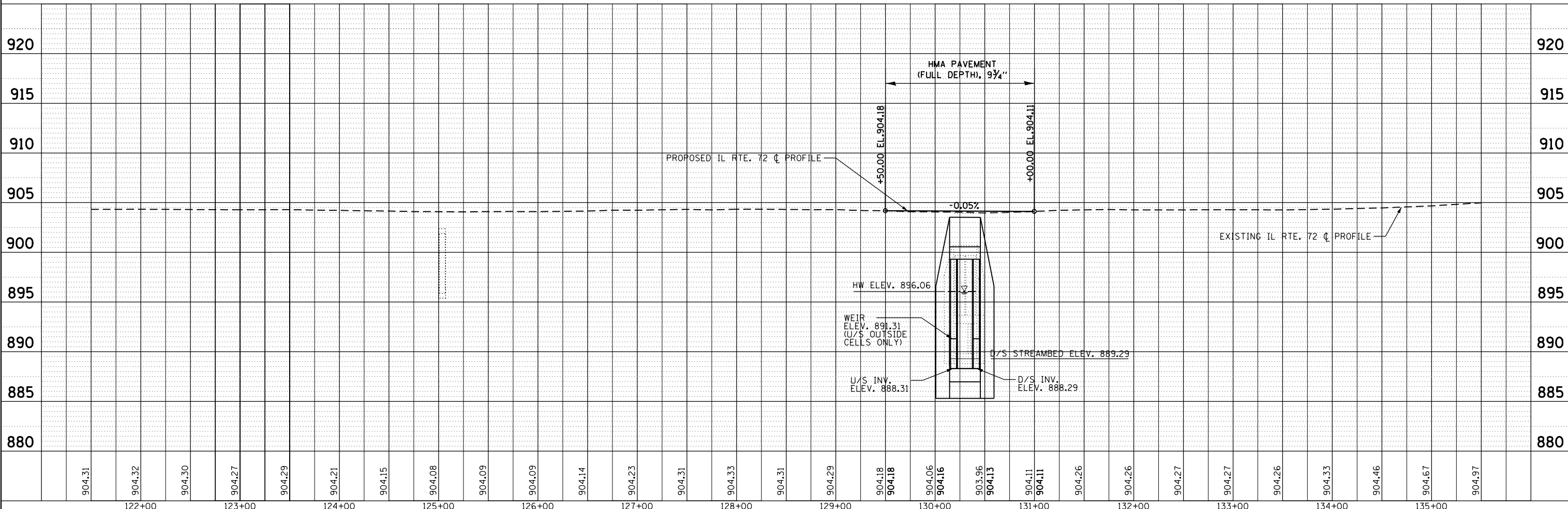
**BEGIN IMPROVEMENT
STA. 123+50**

**END IMPROVEMENT
STA. 132+75**



AGGREGATE SHOULDERS, TYPE B

STATION	STATION	OFFSET	TON
123+50	126+00	RT	47
124+00	126+00	LT	37
126+75	126+99.75	RT	4.5
127+50	127+75	LT	4.5
132+75	133+00	RT	5
132+75	133+00	LT	5



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	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE IL ROUTE 72 (HIGGINS RD.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	16
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES:

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING THE WORK.
5. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE CULVERT CONSTRUCTION AND ALL SUBSEQUENT STAGE CHANGES ON IL ROUTE 72, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG IL ROUTE 72 AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING BRIDGE CONSTRUCTION / STAGE CHANGE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR CHANGEABLE MESSAGE SIGN.
6. WORK ZONE SPEED LIMIT SHALL BE 45 MPH ON IL ROUTE 72 (HIGGINS ROAD).
7. DRUMS AND DIRECTIONAL BARRICADES SHALL BE PROVIDED AND SPACED AS SHOWN IN THE PLANS THRU THE FULL LENGTH OF THE CONSTRUCTION WORK ZONE. ALL DRUMS AND DIRECTIONAL BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS IN MULTILANE SECTIONS, IN 1-LANE, 2-WAY SECTIONS THE LIGHTS SHALL BE BI-DIRECTIONAL.
8. ALL ROAD CONSTRUCTION AHEAD SIGNS, ONE LANE ROAD AHEAD SIGNS, AND TYPE III BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
9. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
10. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN.
11. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
12. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
13. THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
14. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO SEVEN (7) DAYS OF SERVICE OR REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
15. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" X 6" DELINEATOR INSTALLED. THE COST OF THE DELINEATOR IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
16. TEMPORARY CONCRETE BARRIERS AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS SHOWN IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
17. TEMPORARY CONCRETE BARRIER WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WHERE A 3.5 FOOT CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL. ANY HOLES LEFT IN THE EXISTING PAVEMENT AREAS THAT ARE NOT TO BE RESURFACED SHALL BE FILLED WITH A NON-SHRINK GROUT TO THE SURFACE OF THE EXISTING PAVEMENT. THE FILLING OF ANY HOLES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
18. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED OR OTHERWISE AFFECTED BY CONSTRUCTION.
19. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.

SUGGESTED SEQUENCE OF CONSTRUCTION & MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER.

FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT.

SEQUENCE OF CONSTRUCTION:

PRE-STAGE

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER.
2. INSTALL EROSION CONTROL DEVICES PER THE EROSION CONTROL PLANS.
3. CONSTRUCT TEMPORARY PAVEMENT AND PERMANENT EASTBOUND HMA SHOULDER UTILIZING IDOT HWY STANDARD 701326.
4. INSTALL TEMPORARY AND PERMANENT GUARDRAIL AS SHOWN IN THE PLANS TO BE USED FOR STAGE I.

STAGE I

1. INSTALL STAGE I TRAFFIC CONTROL ACCORDING TO HIGHWAY STANDARD 701321 AND THE DETAILS IN THE PLANS.
2. SHIFT TRAFFIC TO THE SOUTH SIDE OF THE EXISTING PAVEMENT UTILIZNG THE EASTBOUND LANE, HMA SHOULDER AND TEMPORARY PAVEMENT.
3. REVIEW TRAFFIC CONDITIONS AND ADJUST SIGNAL TIMING AS NECESSARY.
4. ERECT TEMPORARY SHEET PILING AS SHOWN IN THE PLANS.
5. REMOVE THE STAGE I PORTION OF THE EXISTING DOUBLE BOX CULVERT AND FULL DEPTH PAVEMENT TO THE REMOVAL LINE SHOWN IN THE PLANS.
6. CONSTRUCT THE STAGE I PORTION OF THE PROPOSED CONCRETE BOX CULVERT.
7. CONSTRUCT ROADWAY (STA 129+50 TO STA 131+00) TO THE HMA BINDER COURSE AND WESTBOUND SHOULDER (STA 127+75 TO STA 129+50 AND STA 131+00 TO STA 132+75) TO THE HMA SURFACE COURSE.
8. INSTALL PROPOSED GUARDRAIL AS SHOWN IN THE PLANS.
9. FILL THE CONCRETE BOX CULVERT AT STA. 125+03 WITH CLSM AND REGRADE THE EMBANKMENTS TO ALLOW REMOVAL OF THE EXISTING GUARDRAILS.

STAGE II

1. INSTALL STAGE II TRAFFIC CONTROL ACCORDING TO HIGHWAY STANDARD 701321 AND THE DETAILS IN THE PLANS.
2. SHIFT TRAFFIC TO THE NEWLY CONSTRUCTED WESTBOUND PAVEMENT AND HMA SHOULDER.
3. REVIEW TRAFFIC CONDITIONS AND ADJUST SIGNAL TIMING AS NECESSARY.
4. REMOVE THE REMAINING PORTION OF THE EXISTING DOUBLE BOX CULVERT, STAGE I TEMPORARY GUARDRAIL, FULL DEPTH PAVEMENT AND TEMPORARY PAVEMENT WIDENING AS SHOWN IN THE PLANS.
5. CONSTRUCT THE REMAINING PORTION OF THE PROPOSED CONCRETE BOX CULVERT.
6. CONSTRUCT ROADWAY (STA 129+50 TO STA 131+00) TO THE HMA BINDER COURSE.
7. INSTALL PROPOSED GUARDRAIL AS SHOWN IN THE PLANS.

STAGE III

1. REOPEN ROADWAY TO 2 LANES - 1 LANE IN EACH DIRECTION AND REMOVE TEMPORARY TRAFFIC SIGNALS.
2. COMPLETE ALL UNFINISHED LANDSCAPING.
3. PLACE HMA SURFACE COURSE BETWEEN STA 129+45.50 AND STA 131+04.50.
4. INSTALL PERMANENT PAVEMENT MARKINGS.
5. REMOVE TEMPORARY EROSION CONTROL DEVICES.

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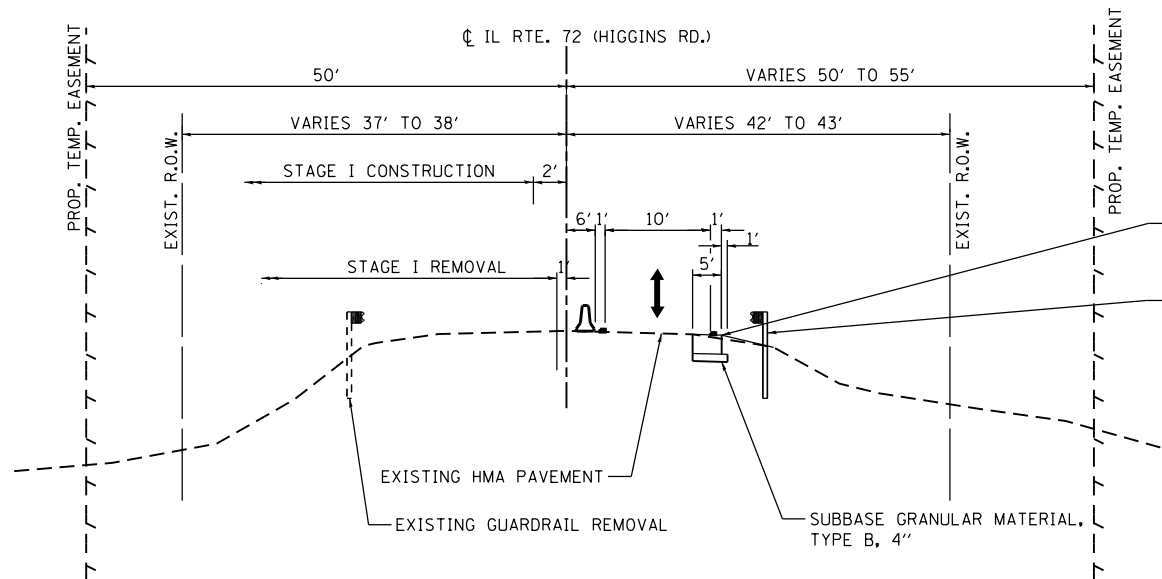
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**MAINTENANCE OF TRAFFIC GENERAL NOTES
IL ROUTE 72 (HIGGINS RD.)**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	17
			CONTRACT NO. 62A41	
ILLINOIS FED. AID PROJECT				



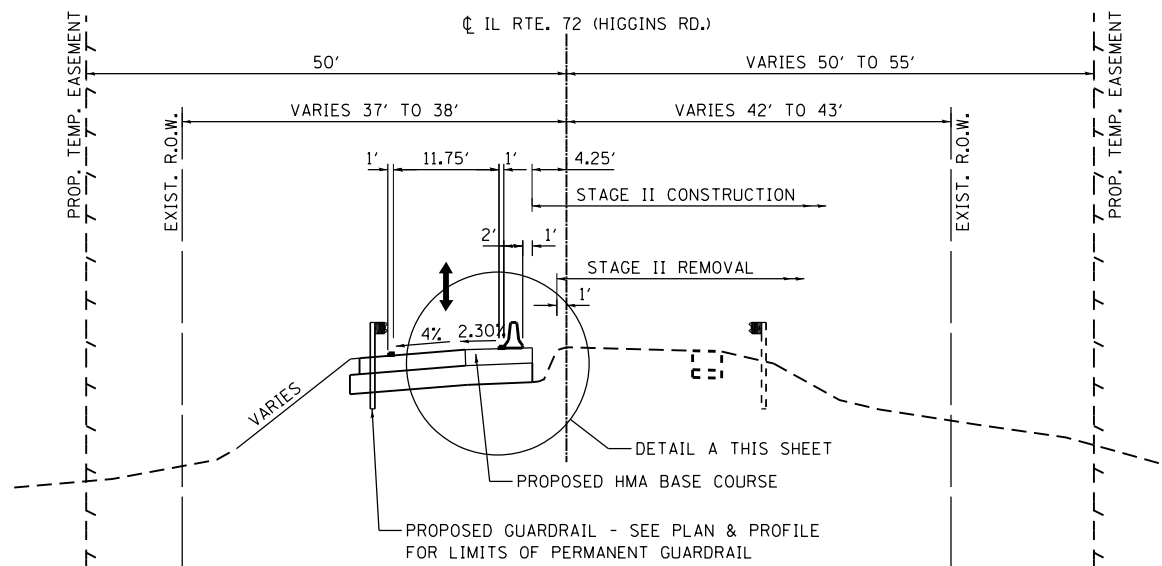
IL ROUTE 72 (HIGGINS RD.) – STAGE I

STA. 127+75 TO STA. 132+75

NOTES:

TEMPORARY HMA PAVEMENT CONSTRUCTED DURING PRE-STAGE CONSTRUCTION FROM RT. STA. 129+50 TO RT. STA. 131+00.

PERMANENT HMA SHOULDER CONSTRUCTED DURING PRE-STAGE CONSTRUCTION FROM RT. STA. 126+99.75 TO RT. STA. 129+50 AND RT. STA. 131+00 TO RT. STA. 132+75.

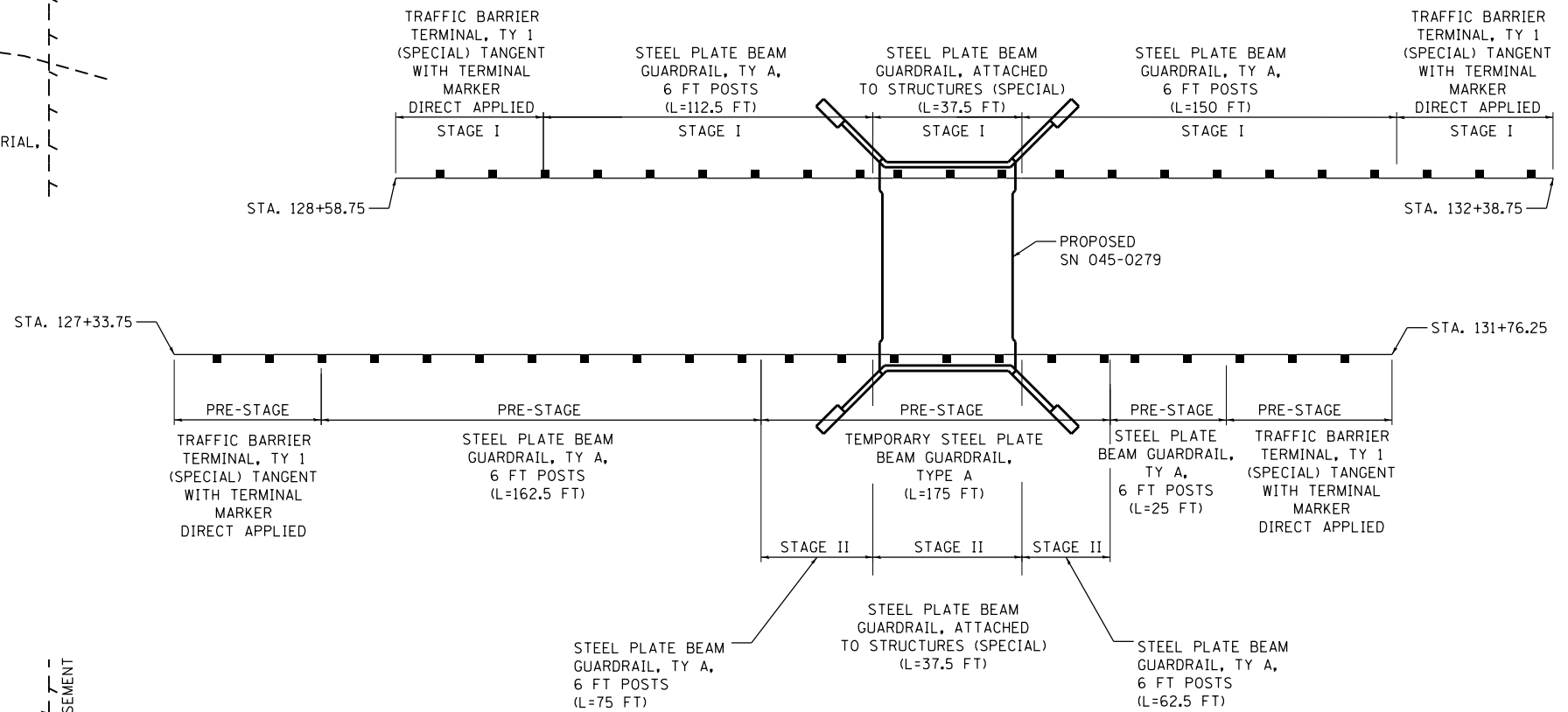


IL ROUTE 72 (HIGGINS RD.) – STAGE II

STA. 127+75 TO STA. 132+75

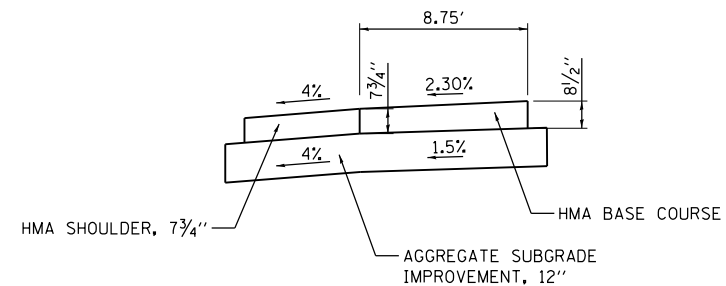
NOTE:

PERMANENT HMA SHOULDER CONSTRUCTED DURING STAGE I CONSTRUCTION FROM LT. STA. 127+75 TO LT. STA. 129+50 AND LT. STA. 131+00 TO LT. STA. 132+72.75.



GUARDRAIL INSTALLATION SEQUENCE

NOT TO SCALE



**DETAIL A
STAGE I PAVEMENT CONSTRUCTION**

LEGEND

- ↑ DIRECTION OF TRAFFIC
- ▵ TEMPORARY CONCRETE BARRIER WALL
- ▣ TEMPORARY PAVEMENT MARKING

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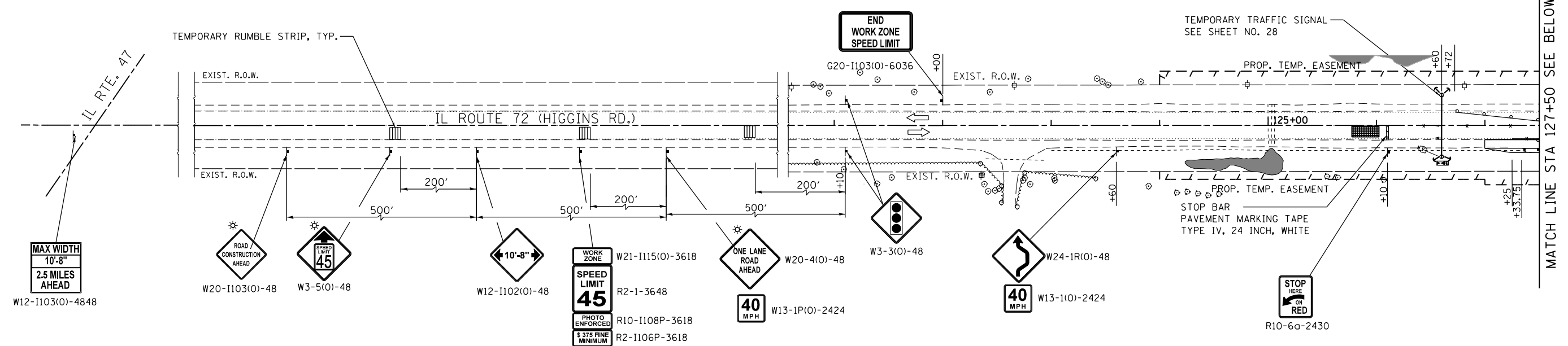
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL ROUTE 72 (HIGGINS RD.)**

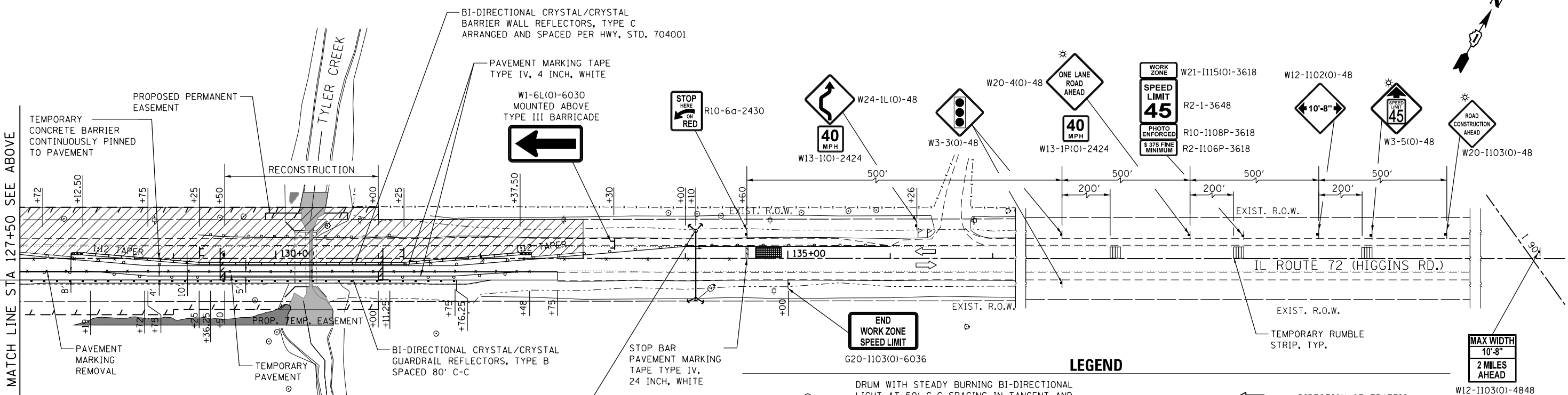
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	18
CONTRACT NO. 62A41				

ILLINOIS FED. AID PROJECT



MATCH LINE STA 127+50 SEE BELOW



MATCH LINE STA 127+50 SEE ABOVE

LEGEND

-  DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
-  TYPE III BARRICADE WITH 2 MONO-DIRECTIONAL TYPE A FLASHERS
-  SIGN ON PERMANENT OR PORTABLE SUPPORT
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC
-  PAVEMENT MARKING REMOVAL
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
-  WORK ZONE

FILE NAME = Q:\Engineering\LiveProjects\3003 IDOT DUR\3003h - W 8 DMO I\Contract No 62A41\CA00\CA00 Sheets\Civil\0162A41-Sht-MOT STG 1.dgn



USER NAME = pprathapan	DESIGNED - AB	REVISED -
DRAWN - JN	REVISOR -	
PLOT SCALE = 100.0000' / 1"	CHECKED - TGM	REVISED -
PLOT DATE = 11/28/2016	DATE - 11/28/2016	REVISED -

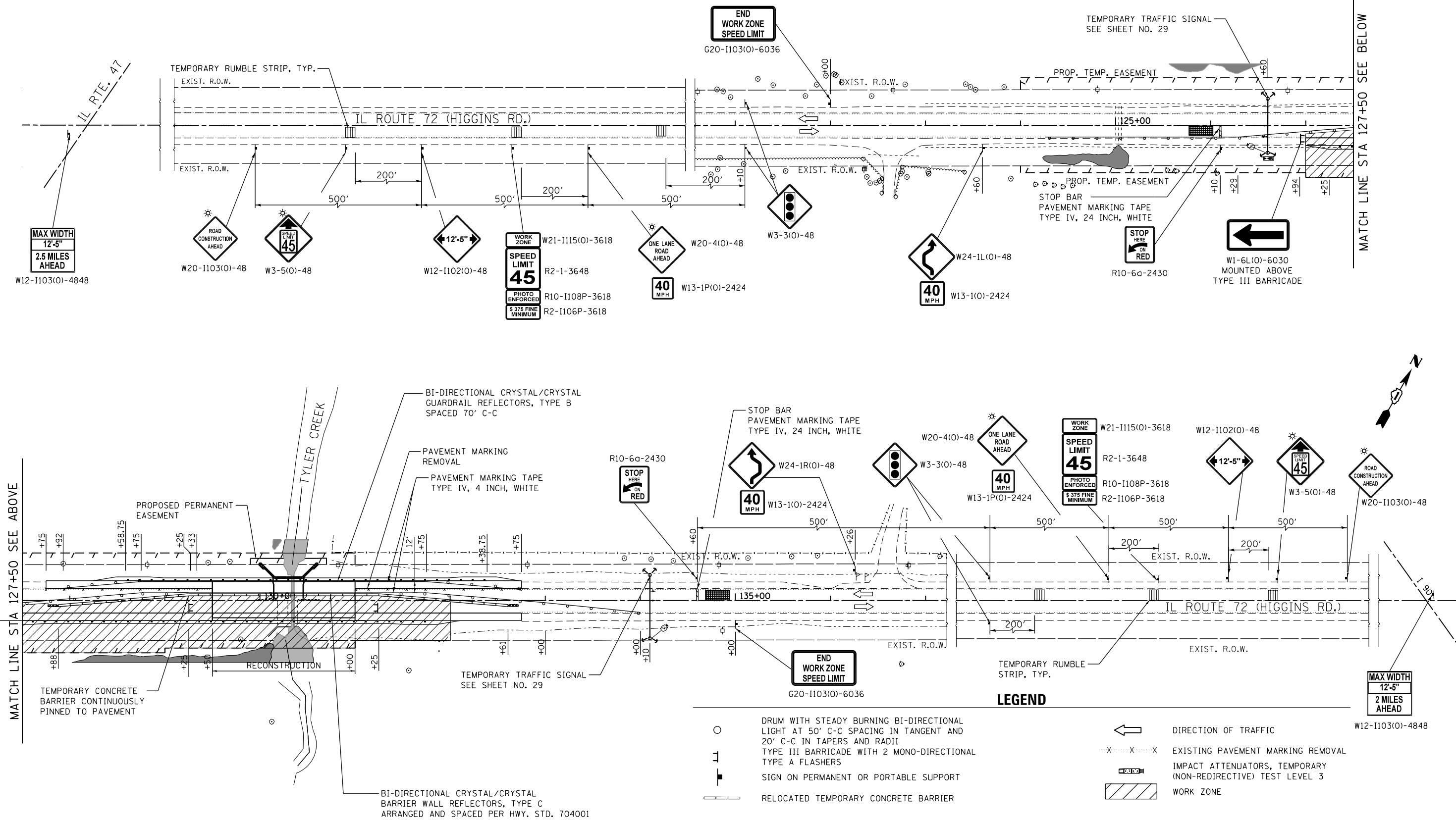
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE I
IL ROUTE 72 (HIGGINS RD.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	19
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

FILE NAME = O:\Engineering\LiveProjects\3003 IDOT DUR\3003h - W 8 DWG 11\Contract No. 62A41\CA00\CA00 Sheets\Civil\0162A41-5ht-MOT STG 2.dgn



LEGEND

- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
- ⊥ TYPE III BARRICADE WITH 2 MONO-DIRECTIONAL TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- ▬ RELOCATED TEMPORARY CONCRETE BARRIER
- ← DIRECTION OF TRAFFIC
- X---X---X EXISTING PAVEMENT MARKING REMOVAL
- ▬ IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- ▨ WORK ZONE



USER NAME = pprathapan	DESIGNED - AB	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 11/28/2016	CHECKED - TGM	REVISED -
	DATE - 11/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE II			
IL ROUTE 72 (HIGGINS RD.)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	20
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

EROSION AND SEDIMENT CONTROL NOTES:

- ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY.
- THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
- STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
- THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
 - DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
 - STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
 - AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN 24-HOURS AFTER A 24-HOUR RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
- SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

- EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
- IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
 - THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 3.
 - ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
- TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
- IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
- ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
- NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
- SEEDING USAGE

CLASS 3:
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

CLASS 4B (MODIFIED):
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
- THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
- THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
- STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDER DAYS.

- TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
- THE US ARMY CORPS OF ENGINEERS MUST BE NOTIFIED 10 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES TO COMPLY WITH EROSION CONTROL PERMITS.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: "PROTECTED WETLAND - NO INTRUSION". THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY THE METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER.

SOIL PROTECTION SCHEDULE:

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING	→		→							→		→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

EROSION AND SEDIMENT CONTROL STRATEGY:

- ERECT PERIMETER EROSION BARRIERS AND TEMPORARY FENCES AS SHOWN ON PLANS.
- ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
- CLEAR AND GRUB, REMOVE EXISTING TREES AND BUSHES AS NECESSARY.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
- TEMPORARY STABILIZATION OF EACH STAGE SHOULD BE COMPLETED BEFORE WORK IS MOVED TO SUBSEQUENT STAGES.
- STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET FOR PERMANENT STABILIZATION AS SHOWN ON THE PLANS.
- WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES.

HIGHWAY STANDARDS:

STD. NO.	TITLE
280001	TEMPORARY EROSION CONTROL SYSTEMS

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41\CADD\CADD Sheets\Civil\0162A41-Sht-Erosion Cont Note S-1.dgn



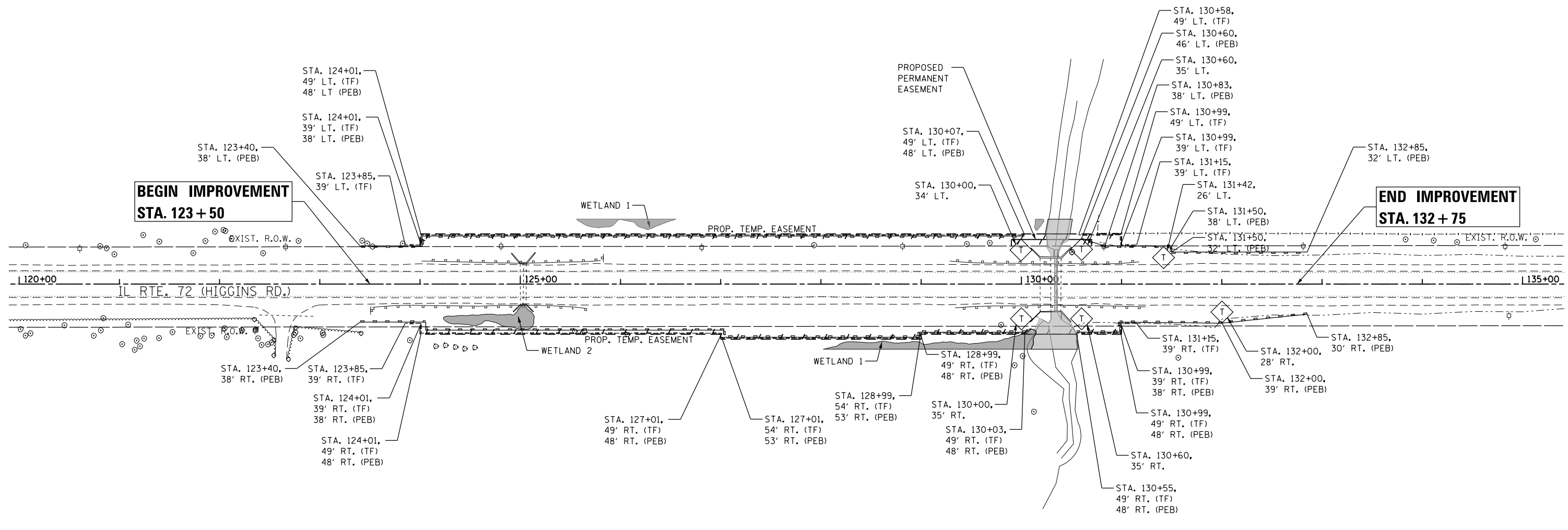
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PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL NOTES
IL ROUTE 72 (HIGGINS RD.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	21
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY FENCE (TF)
- PERIMETER EROSION BARRIER (PEB)
- ◇ T TEMPORARY DITCH CHECK

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41\CAD\CADD Sheets\Civil\0162A41-Shr-Erosion Cont Plan.dgn



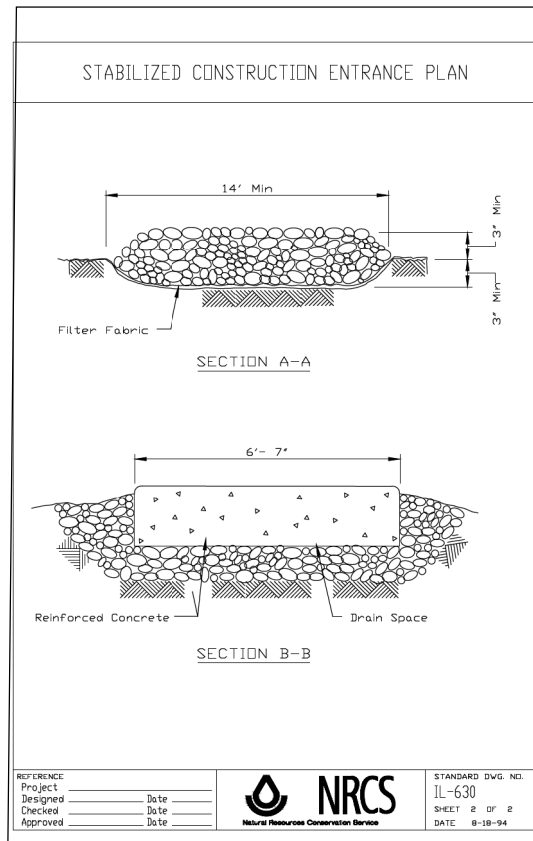
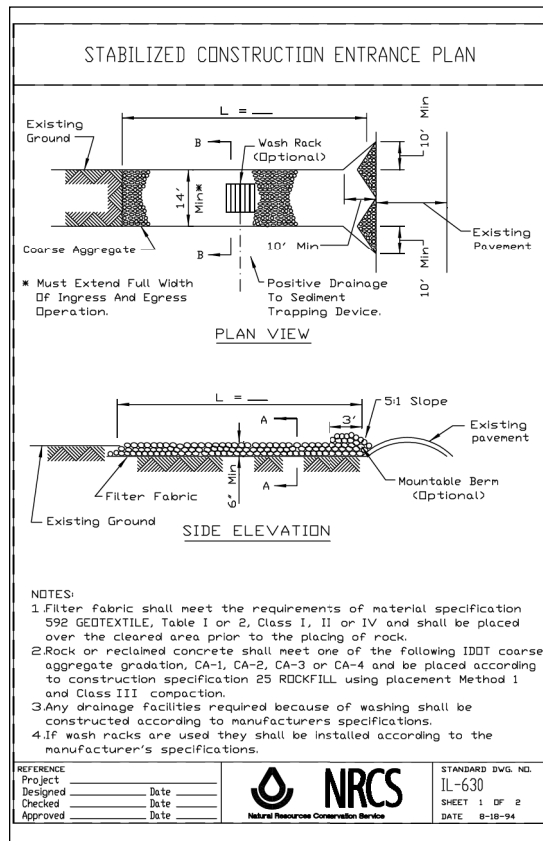
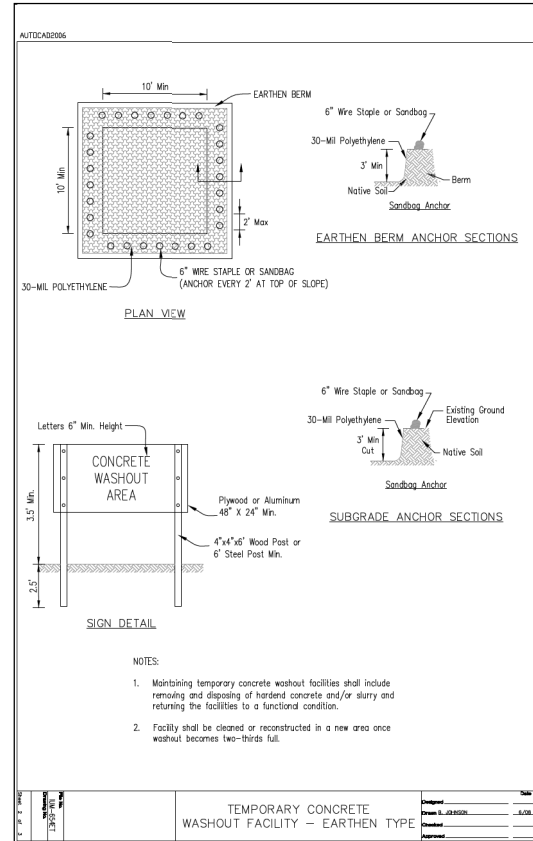
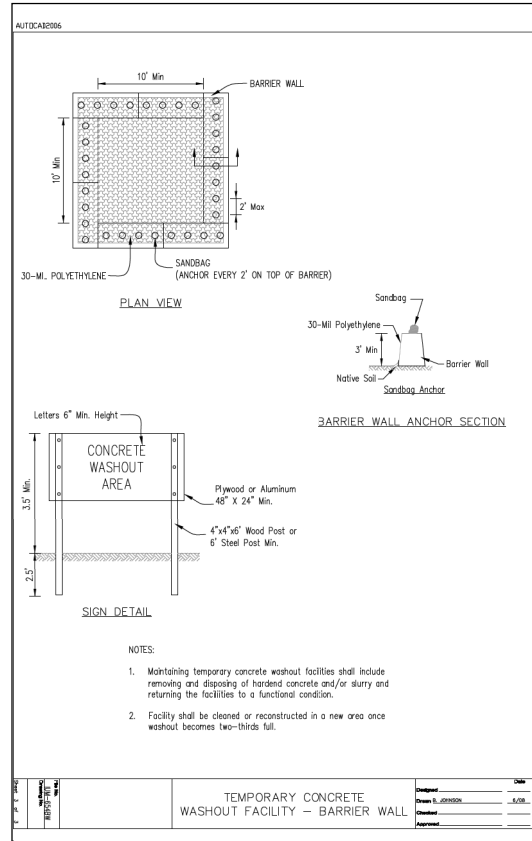
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DRAWN - JN	REVISED -	
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PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
IL ROUTE 72 (HIGGINS RD.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	22
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.



FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DURV\3003h - W 8 IWO IJ Contract No 62441CADD\CADD Sheets\Civil\0162A41-Sht-ErosControlDet.dgn



USER NAME = pprathapan
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 11/21/2016

DESIGNED - AB
 DRAWN - JN
 CHECKED - TGM
 DATE - 11/21/2016

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

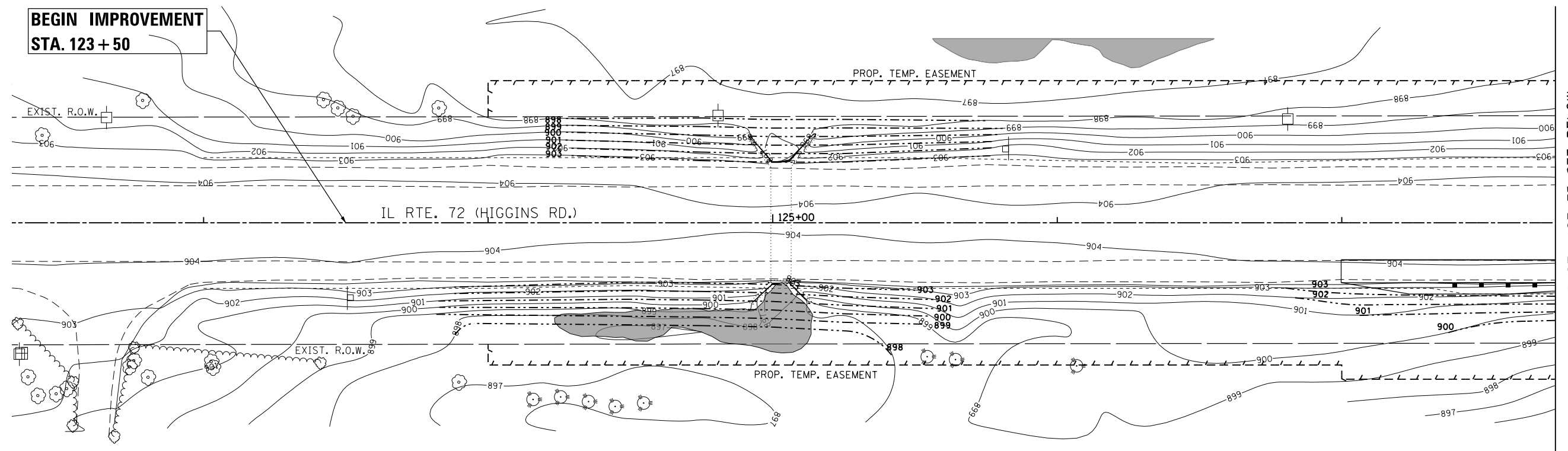
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EROSION AND SEDIMENT CONTROL DETAILS
 IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	23
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

**BEGIN IMPROVEMENT
STA. 123 + 50**

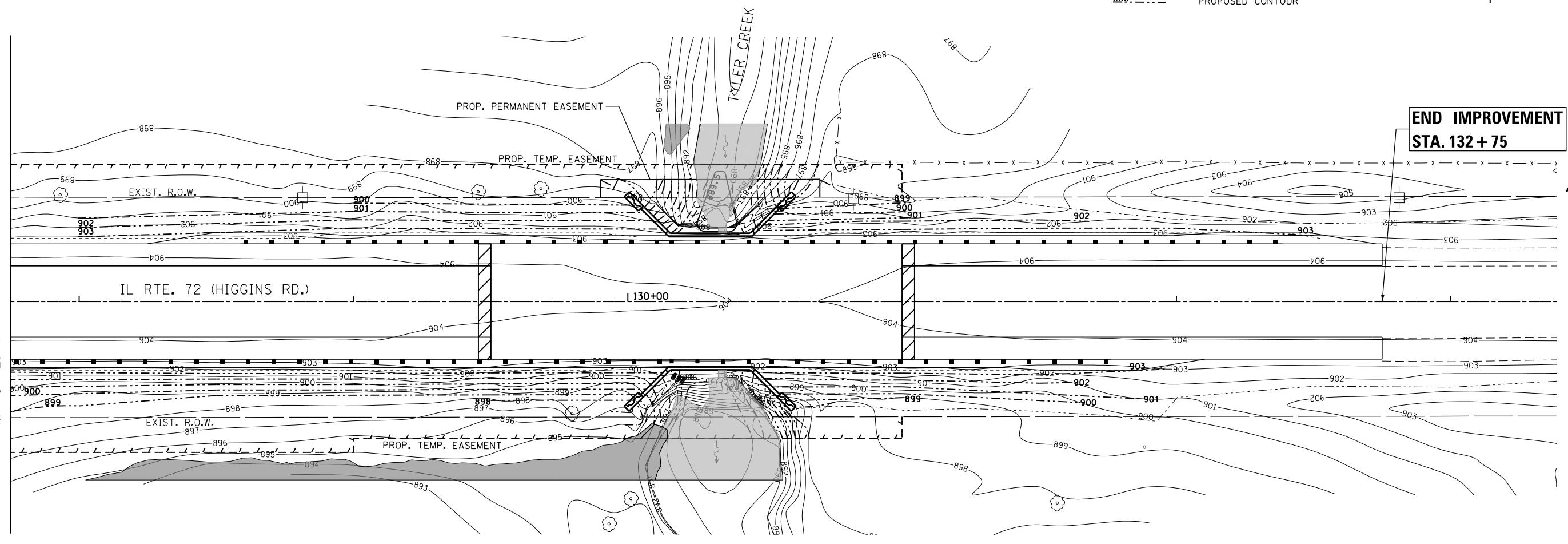


MATCH LINE STA 127+75 SEE BELOW

LEGEND

- xxx— EXISTING CONTOUR
- xxx- - - PROPOSED CONTOUR

MATCH LINE STA 127+75 SEE ABOVE



**END IMPROVEMENT
STA. 132 + 75**

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41\CADD\CADD Sheets\Civil\0162A41-Sht-Grading.dgn



USER NAME = pprathapan	DESIGNED - PP	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - AB	REVISED -
PLOT DATE = 11/21/2016	CHECKED - TGM	REVISED -
	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

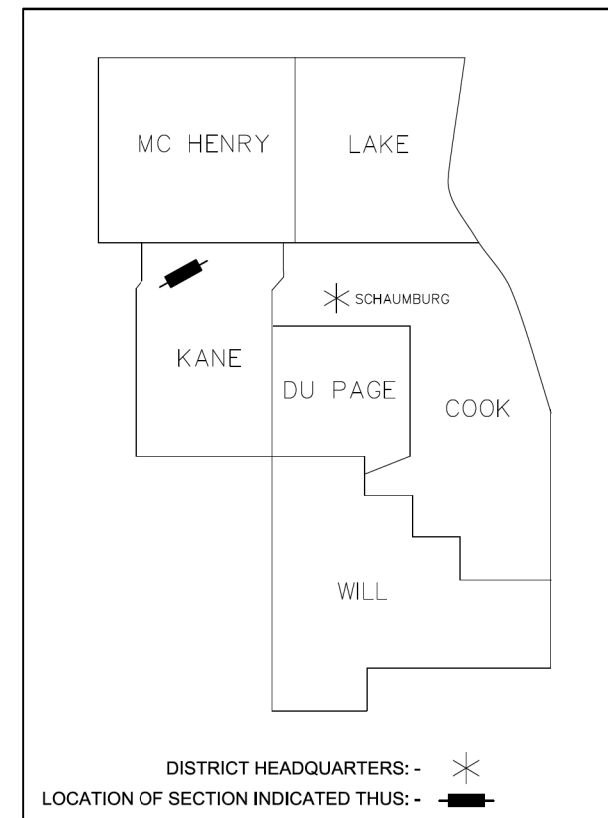
**GRADING PLAN
IL ROUTE 72 (HIGGINS RD.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	24
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

ROUTE: ILLINOIS ROUTE 72
COUNTY: KANE
LIMITS: AT TYLER CREEK
JOB NO.: R-91-010-15



**PRINTED BY THE AUTHORITY OF
OF THE STATE OF ILLINOIS**

RT. 72
ENDING STATION 131+00.00

RT. 72
BEGINNING STATION 124+00.00



LOCATION MAP

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1LV0001PE 1LV0001TE	JANICE R. KLICH	2	
1LV0002TE	CHICAGO LAND TITLE TRUST COMPANY, AS SUCCESSOR TO LASALLE BANK NATIONAL ASSOCIATION, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 10TH DAY OF JANUARY, 2003, AND KNOWN AS TRUST NUMBER 130706	2	
1LV0003TE	ARTISE K. KOMARCHUK AND STEVE M. KOMARCHUK, HER HUSBAND, IN JOINT TENANCY	2	

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FEB 29 2016
PLATS & LEGALS
KS

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41\CADD\CADD Sheets\Civil\0162A41-Sht-Plat of Highways.dgn



USER NAME = pprathapan	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAT OF HIGHWAYS IL ROUTE 72 (HIGGINS RD.)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	25
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

PART OF THE NORTHEAST QUARTER OF SECTION 28, TWP. 42 N., R. 07 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

COORDINATE TABLE ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)			
STATION	OFFSET	NORTHING	EASTING
124+00.00	42.71' RT	1,976,633.458	961,916.034
124+00.00	50.00' RT	1,976,627.111	961,919.618
124+00.00	37.29' LT	1,976,703.119	961,876.697
124+00.00	50.00' LT	1,976,714.187	961,870.447
127+00.00	50.00' RT	1,976,774.625	962,180.845
127+00.00	55.00' RT	1,976,770.272	962,183.304
129+00.00	50.00' RT	1,976,872.968	962,354.997
129+00.00	55.00' RT	1,976,868.614	962,357.455
129+90.00	37.90' LT	1,976,993.740	962,390.111
129+90.00	44.40' LT	1,976,999.396	962,386.909
130+28.95	50.00' RT	1,976,936.376	962,467.283
130+28.96	42.06' RT	1,976,943.289	962,463.384
130+70.00	37.98' LT	1,977,033.148	962,459.731
130+70.00	44.48' LT	1,977,038.805	962,456.529
131+00.00	41.99' RT	1,976,978.285	962,525.210
131+00.00	50.00' RT	1,976,971.311	962,529.148
131+00.00	38.01' LT	1,977,047.946	962,485.873
131+00.00	50.00' LT	1,977,058.386	962,479.977
131+13.32	41.98' RT	1,976,984.848	962,536.803
131+58.49	38.07' LT	1,977,076.760	962,536.775
134+00.48	466.90' LT	1,977,569.151	962,536.625

SEE SHEET 3
FOR TOTAL HOLDING

SEE SHEET 3
FOR TOTAL HOLDING

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED EASEMENT

MEASURED DIMENSION (129.32')

RECORDED DIMENSION (129.32')

EXISTING BUILDING

GRAPHIC SCALE
FEET
SCALE: 1" = 30'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST GRID, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR (WE, FLUIDCLARITY LTD, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 21, 22, 27 & 28, ALL IN TOWNSHIP 42 NORTH, RANGE 07 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE-AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT OAK PARK, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Fluidclarity 1144 W. LAKE ST., STE 303
OAK PARK, IL 60301

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 72

LIMITS: AT TYLER CREEK COUNTY: KANE
SECTION: STA. 124+00.00 TO STA. 131+00.00 JOB NO.: R-91-010-15
SCALE: 1"=30' SHEET 2 OF 3 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

DOT USE ONLY
RECEIVED
FEB 29 2016
PALTS & LEGALS
KS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1LV0001TE 1LV0001PE	181.620			181.620	0.186 (TE) 0.012 (PE)	02-21-400-002 02-22-300-003 02-22-300-007 02-27-100-001 02-28-200-003
1LV0002TE	35.382			35.382	0.013	02-27-100-013 02-22-300-008
1LV0003TE	12.477			12.477	0.133	02-28-200-004

REVISION DATE: 02/24/2016 REVISION MADE BY: APG
REVISION DATE: 02/18/2016 REVISION MADE BY: APG

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 30' SHEET ____ OF ____ SHEETS STA. ____ TO STA. ____

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	26
CONTRACT NO. 62A41				

ILLINOIS FED. AID PROJECT

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 TMO IJ Contract No 62A41\CADD\CADD Sheets\Civil\0162A41-Sub-Plat of Highways2.dgn



USER NAME = pprathapan	DESIGNED - JN	REVISED - _____
	DRAWN - JN	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED - _____
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED - _____

PART OF THE SOUTHEAST QUARTER OF SECTION 21, TWP. 42 N., R. 07 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE SOUTHWEST QUARTER OF SECTION 22, TWP. 42 N., R. 07 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE NORTHWEST QUARTER OF SECTION 27, TWP. 42 N., R. 07 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.
 PART OF THE NORTHEAST QUARTER OF SECTION 28, TWP. 42 N., R. 07 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

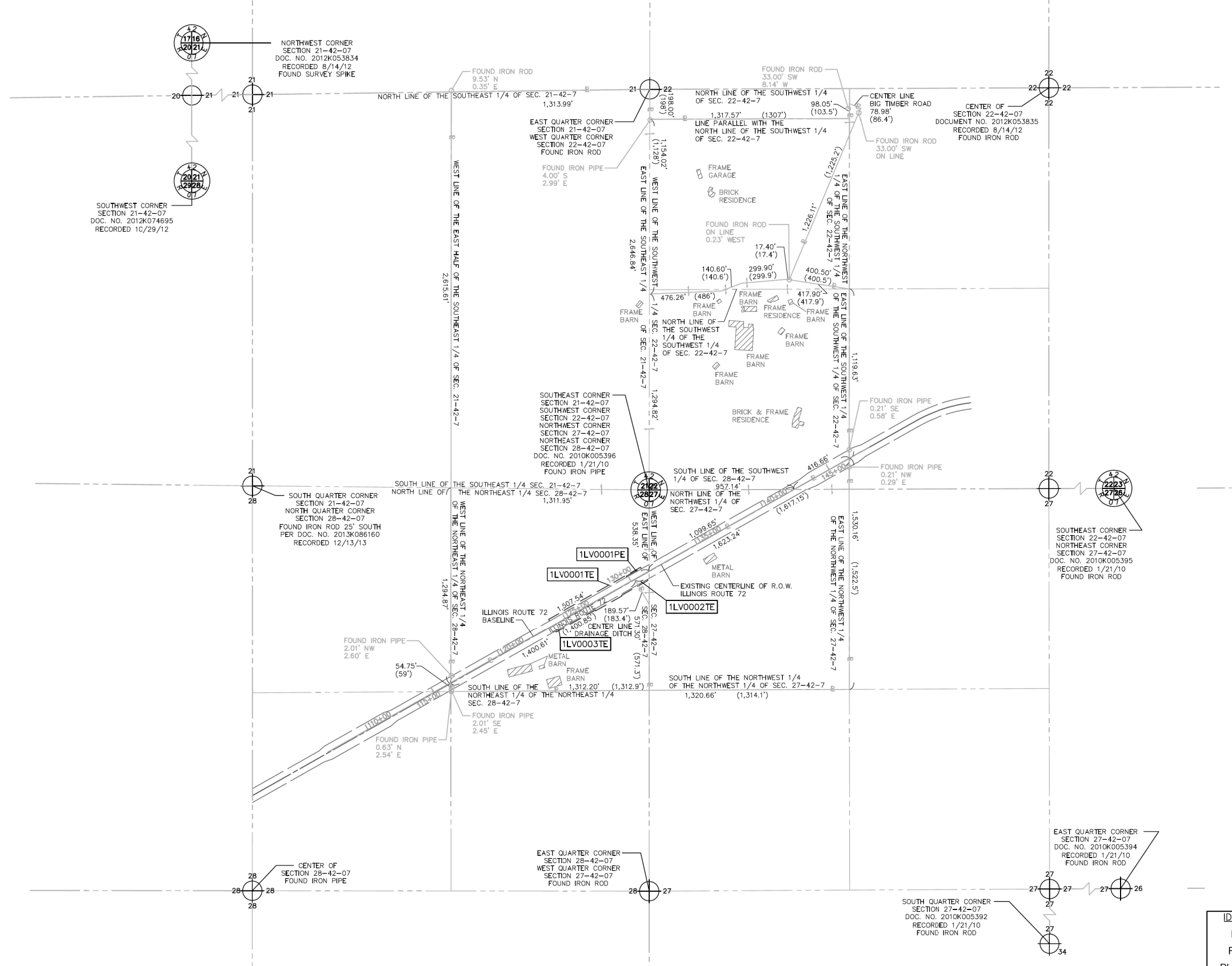
LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED EASEMENT

MEASURED DIMENSION
 RECORDED DIMENSION

EXISTING BUILDING

GRAPHIC SCALE
 0 100 300
 FEET
 SCALE: 1" = 300'



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST GRID, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR (WE, FLUIDCLARITY LTD, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.003912), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 21, 22, 27 & 28, ALL IN TOWNSHIP 42 NORTH, RANGE 07 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE-AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT OAK PARK, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Fluidclarity 1144 W. LAKE ST., STE 303
 OAK PARK, IL 60301

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 72

LIMITS: AT TYLER CREEK COUNTY: KANE
 SECTION: JOB NO.: R-91-010-15
 STA. 124+00.00 TO STA. 131+00.00
 SCALE: 1"=300' SHEET 3 OF 3 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY
 RECEIVED
 FEB 29 2016
 PLATS & LEGALS
 KS

REVISION DATE: 02/24/2016 REVISION MADE BY: APG
 REVISION DATE: 02/18/2016 REVISION MADE BY: APG

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62441\CADD\CADD Sheets\Civil\0162441-Sub-Plat of Highways3.dgn



USER NAME = pprathapan	DESIGNED - JN	REVISED - _____
PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED - _____
PLOT DATE = 11/21/2016	CHECKED - TGM	REVISED - _____
	DATE - 11/21/2016	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

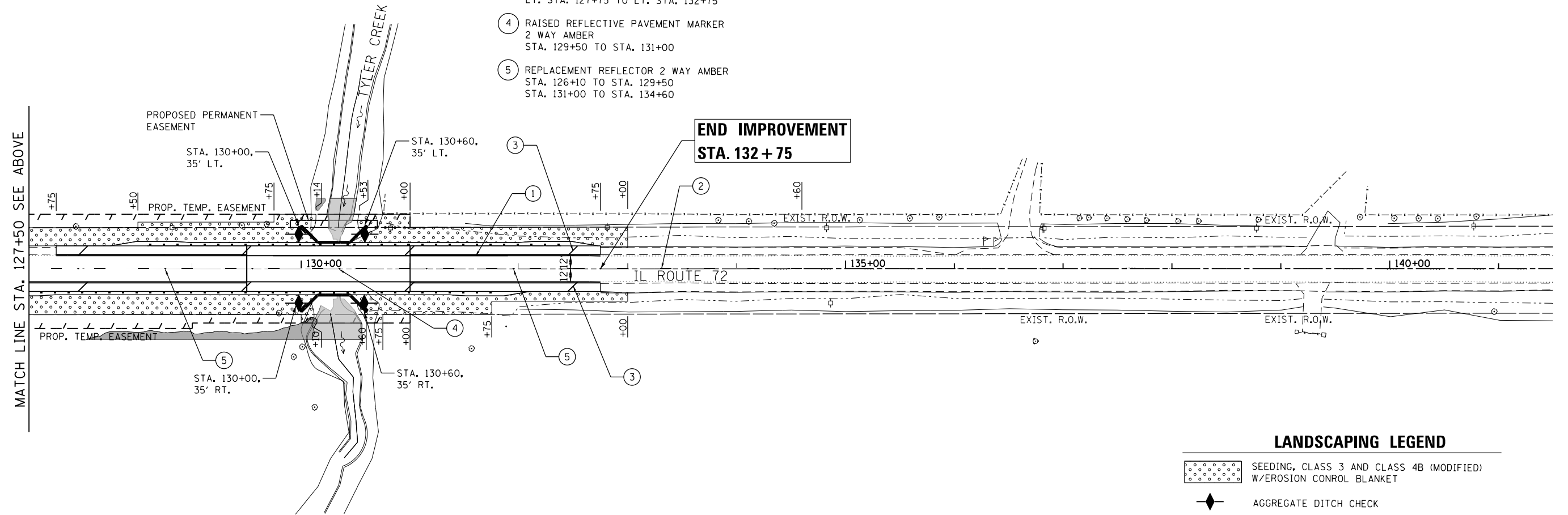
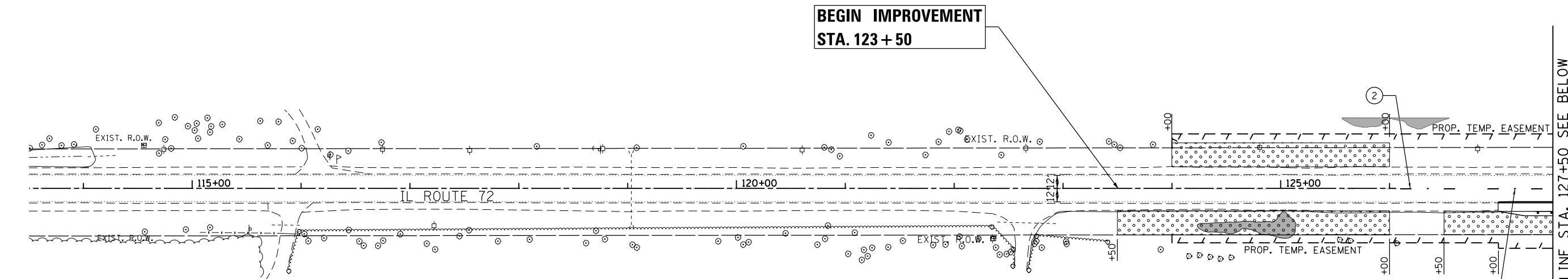
**PLAT OF HIGHWAYS
 IL ROUTE 72 (HIGGINS RD.)**

SCALE: 1" = 300' SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	27
CONTRACT NO. 62A41				

ILLINOIS FED. AID PROJECT

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 (NO 1) Contract No 62A41 CAD\CAD Sheets\Civil\0162A41-Shr-PAVT MARK 501.dgn



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
RT. STA. 127+00 TO RT. STA. 132+75
LT. STA. 127+75 TO LT. STA. 132+75
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH, 10' LINE, 30' SPACE)
STA. 126+10 TO STA. 134+60
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL, 150' SPACE CENTER-TO-CENTER)
RT. STA. 127+00 TO RT. STA. 132+75
LT. STA. 127+75 TO LT. STA. 132+75
- ④ RAISED REFLECTIVE PAVEMENT MARKER
2 WAY AMBER
STA. 129+50 TO STA. 131+00
- ⑤ REPLACEMENT REFLECTOR 2 WAY AMBER
STA. 126+10 TO STA. 129+50
STA. 131+00 TO STA. 134+60

LANDSCAPING LEGEND

- SEEDING, CLASS 3 AND CLASS 4B (MODIFIED) W/EROSION CONROL BLANKET
- AGGREGATE DITCH CHECK



USER NAME = pprathapan	DESIGNED - AB	REVISED -
DRAWN - AB	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

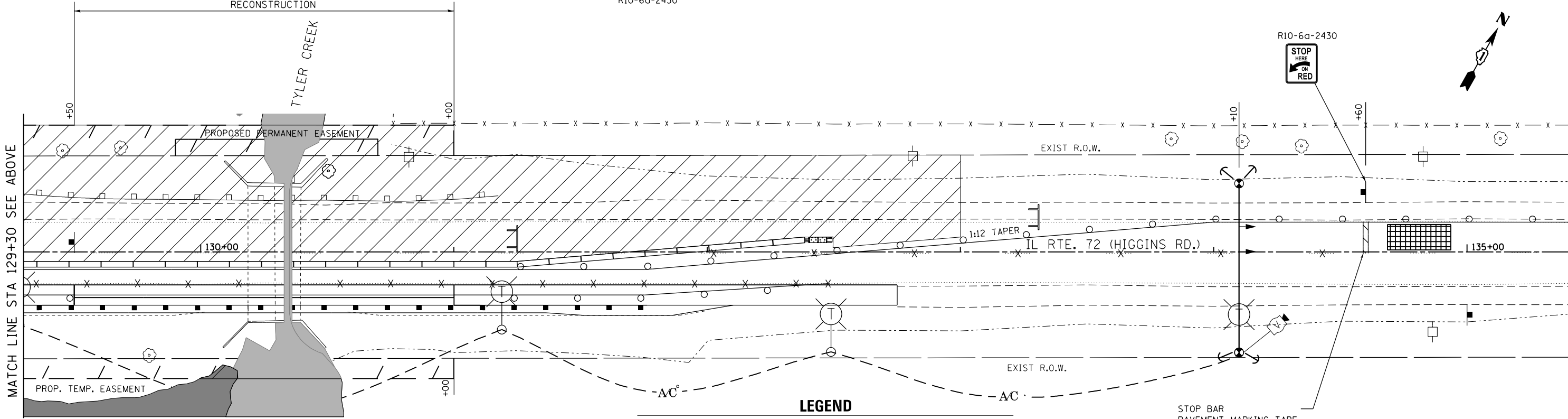
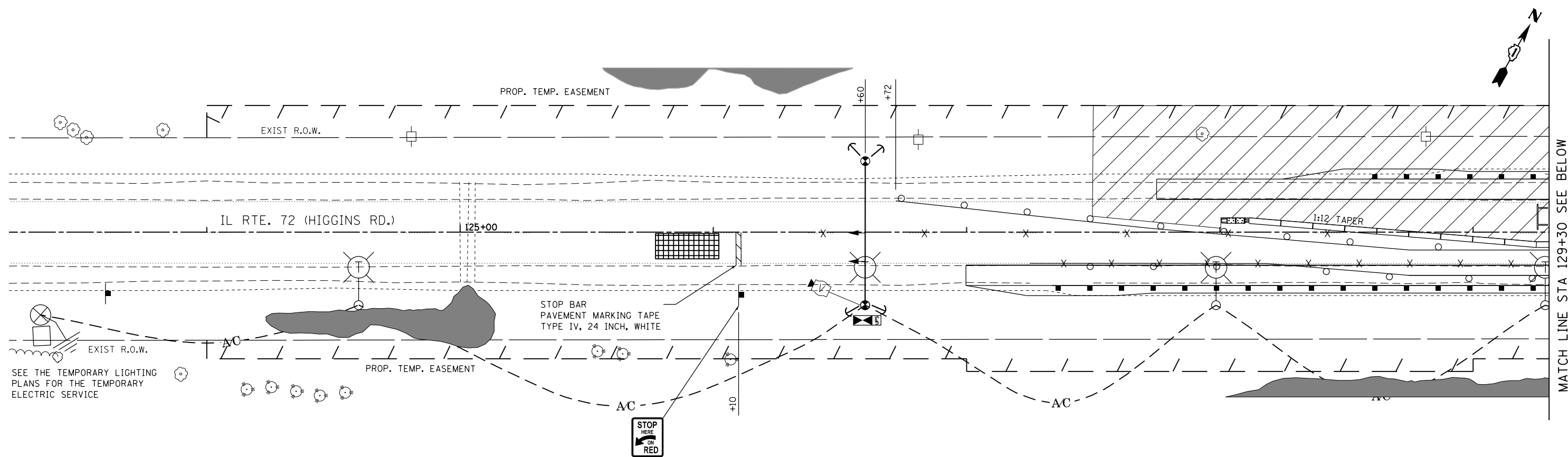
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND LANDSCAPING PLAN
IL ROUTE 72 (HIGGINS RD.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	28
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W0 8 DWG 1\Contract No 62A41\CA00\CA00 Sheets\Civil\0162A41-5ht-Temporary Stage Ldgn



- DETECTION ZONE
- TEMPORARY VIDEO DETECTOR SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL CONTROLLER AND CABINET WITH UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE
- AERIAL CABLE



USER NAME = pprathapan	DESIGNED - AB	REVISED -
DRAWN - AB	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 11/28/2016	DATE - 11/28/2016	REVISED -

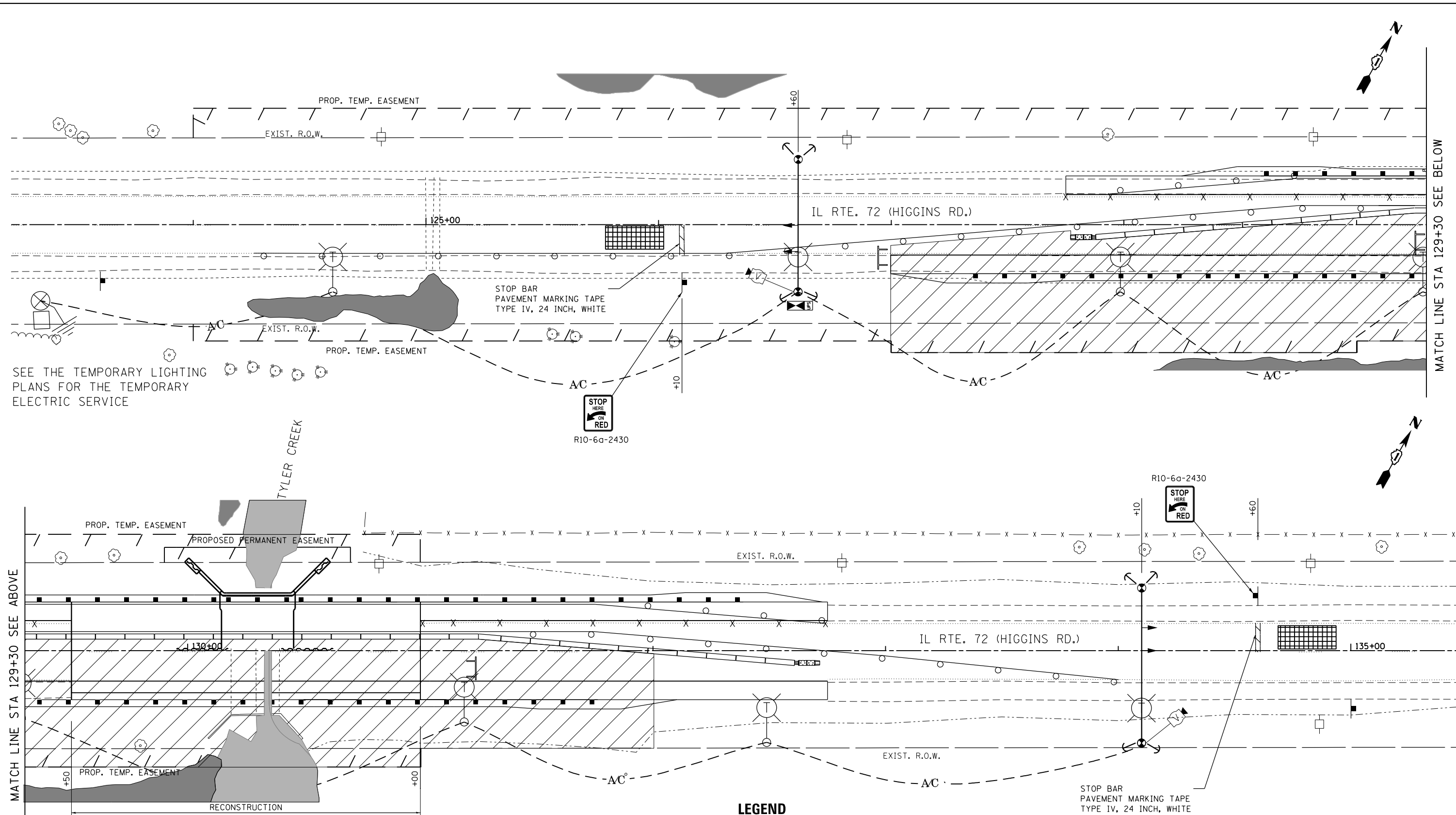
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - STAGE I
IL ROUTE 72 (HIGGINS RD.)**

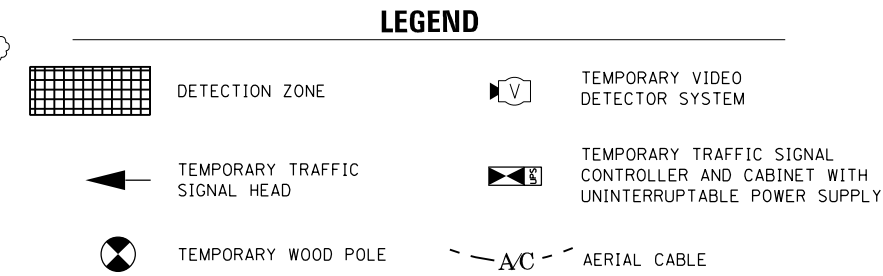
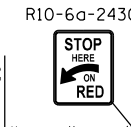
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	29
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 - W 8 IWO IJ Contract No 62A41\CA00\CA00 Sheets\Civil\0162441-Sht-Temptrafag stage 2.dgn



SEE THE TEMPORARY LIGHTING PLANS FOR THE TEMPORARY ELECTRIC SERVICE



MATCH LINE STA 129+30 SEE ABOVE

MATCH LINE STA 129+30 SEE BELOW



USER NAME = pprathapan	DESIGNED - AB	REVISED -
DRAWN - AB	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 11/28/2016	DATE - 11/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

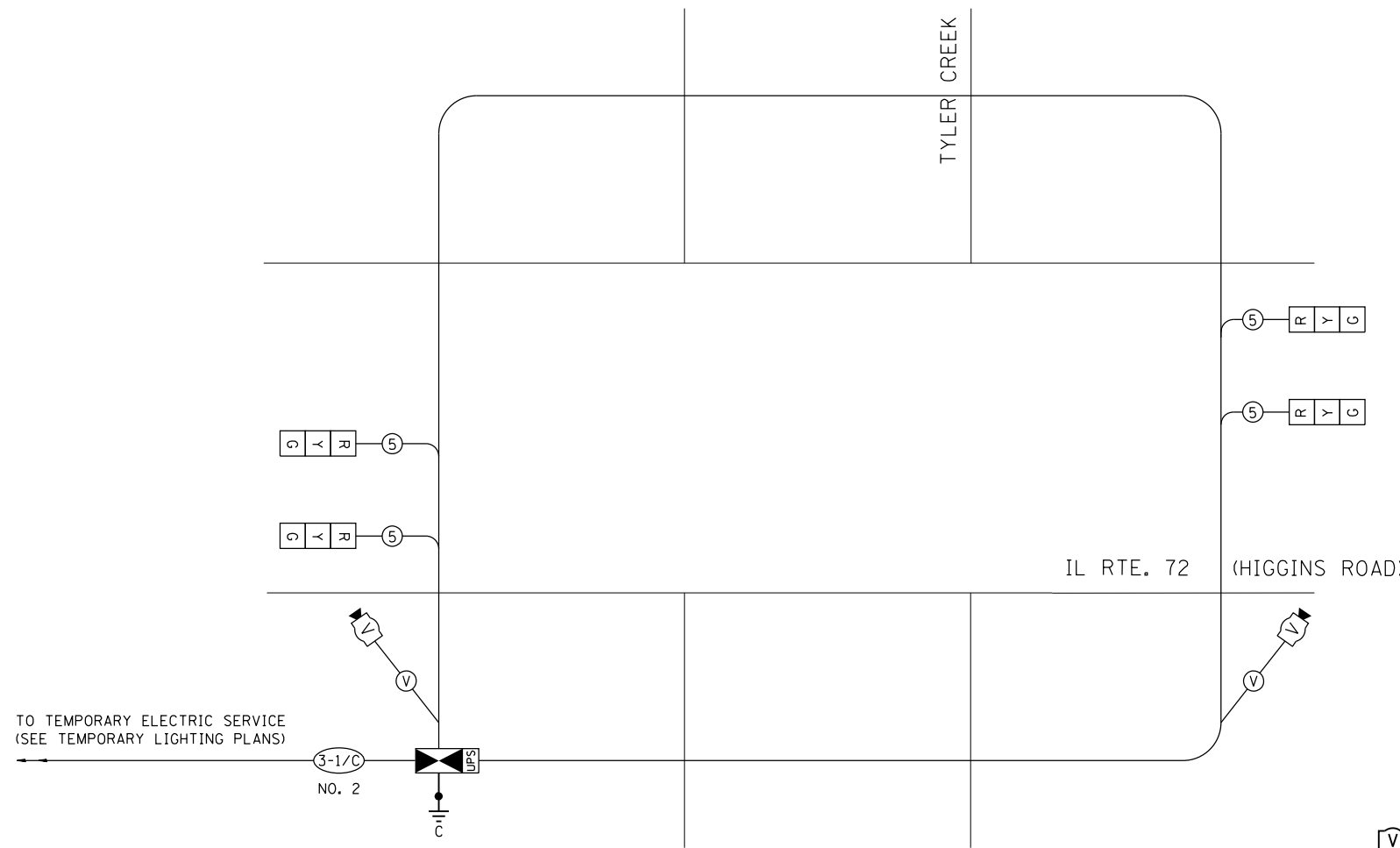
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE II
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	30
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
5. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.

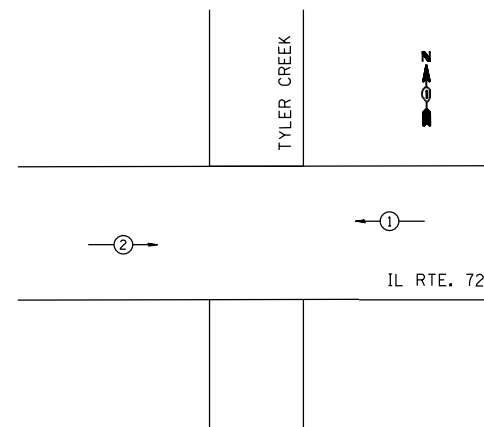


TEMPORARY CABLE PLAN – STAGES I & II
NOT TO SCALE

LEGEND

- TEMPORARY VIDEO DETECTOR
- VENDOR CABLE FOR CAMERA
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS SHALL BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- TEMPORARY TRAFFIC SIGNAL SECTION, 12"
- TEMPORARY TRAFFIC SIGNAL CONTROLLER AND CABINET WITH UNINTERRUPTIBLE POWER SUPPLY

TEMPORARY CONTROLLER SEQUENCE STAGES I & II



LEGEND

- DUAL ENTRY PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE PART OF THE PERMANENT PROJECT LANDSCAPE RESTORATION.

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 TWO IJ Contract No 62A41\CADD\CADD Sheets\Civil\0162A41-ah-TemporaryTraffic.dgn

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS - STAGES I & II					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	LED	% OPERATION	
SIGNAL (RED)	4	17		0.50	34
(YELLOW)	4	25		0.25	25
(GREEN)	4	15		0.25	15
		12		0.25	
ARROW		12		0.10	
PED. SIGNAL		25		1.00	
CONTROLLER	1	100		1.00	100
VIDEO SYSTEM	1	150		1.00	150
FLASHER		25		0.50	
TOTAL =					324

ENERGY COST TO:

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON



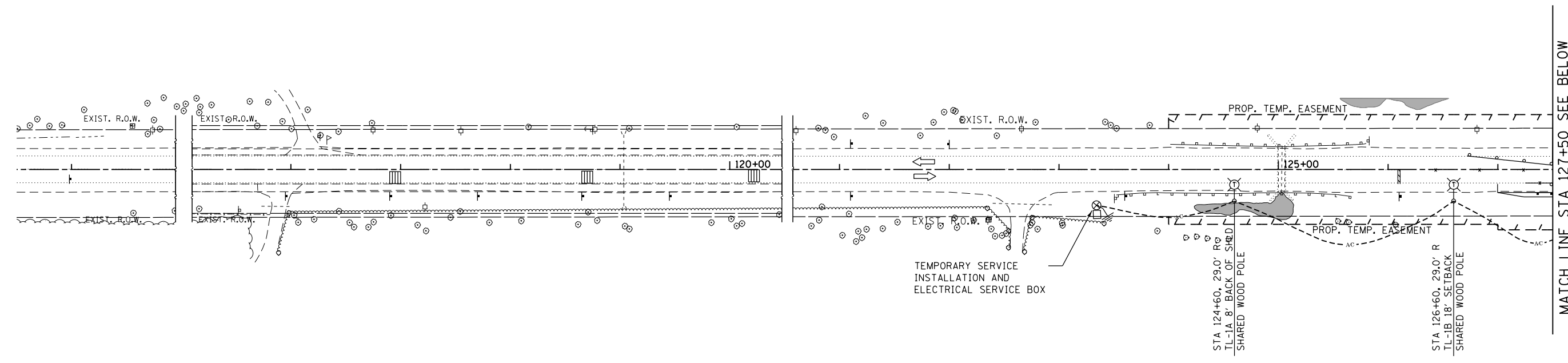
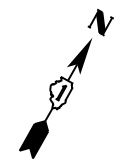
USER NAME = pprathapan	DESIGNED - AB	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - AB	REVISED -
PLOT DATE = 11/21/2016	CHECKED - TGM	REVISED -
	DATE - 11/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

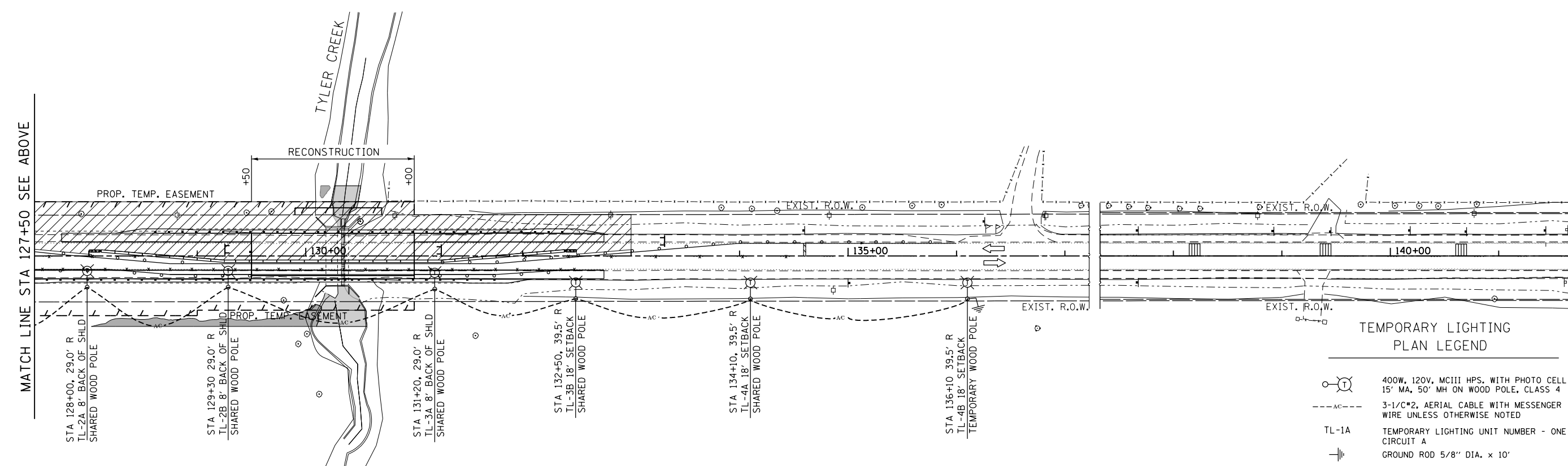
**TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (HIGGINS RD.)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	31
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 127+50 SEE BELOW



MATCH LINE STA 127+50 SEE ABOVE

TEMPORARY LIGHTING PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/2" C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4

FILE NAME = Q:\Engineering\Live\Projects\13003 IDOT DUR\13003h - W 8 (W 1) Contract No 62A41\CAD\CADD Sheets\Civil\0162A41_Sht-TEMP LIGHTING STG I.dgn



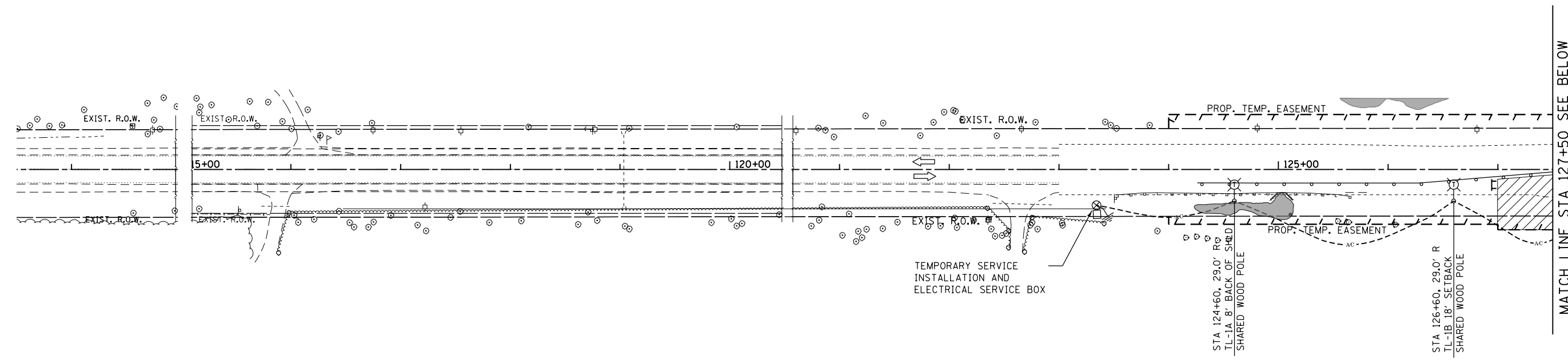
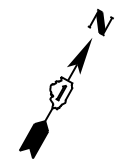
USER NAME = pprathapan	DESIGNED - F EPERT	REVISED -
	DRAWN - T SMITH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - J LUER	REVISED -
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

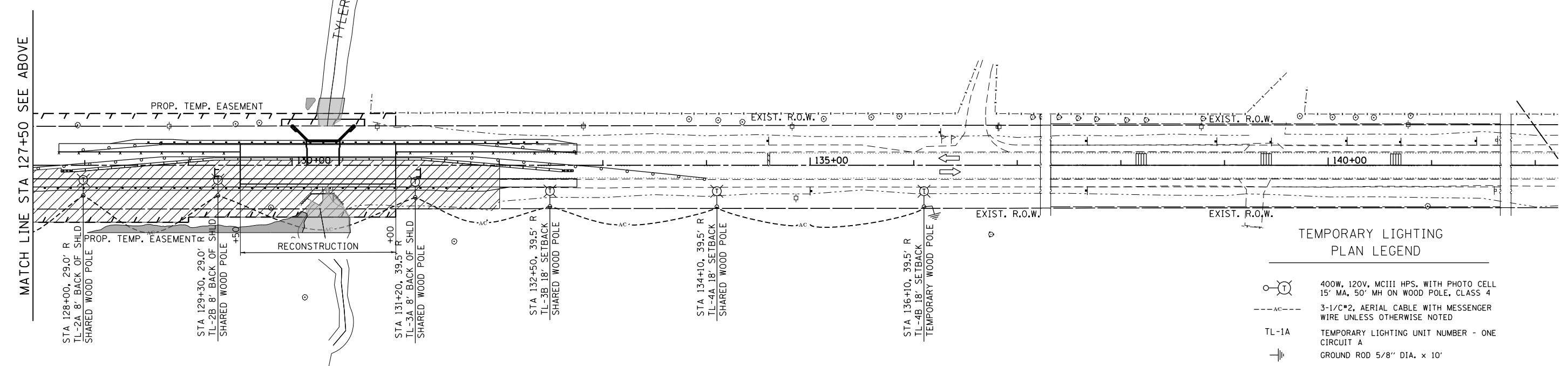
TEMPORARY LIGHTING PLAN STAGE I
IL ROUTE 72 (HIGGINS RD.)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	32
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 127+50 SEE BELOW



MATCH LINE STA 127+50 SEE ABOVE

TEMPORARY LIGHTING PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4

FILE NAME = Q:\Engineering\Live\Projects\13003 IDOT DUR\13003h - W 8 (W 1) Contract No 62A41 CAD\CAD Sheets\Civil\0162A41-Sh2-TEMP LIGHTING STG 2.dgn



USER NAME = pprathapan	DESIGNED - F EPERT	REVISED -
	DRAWN - T SMITH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - J LUER	REVISED -
PLOT DATE = 11/21/2016	DATE - 11/21/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN STAGE II
IL ROUTE 72 (HIGGINS RD.)

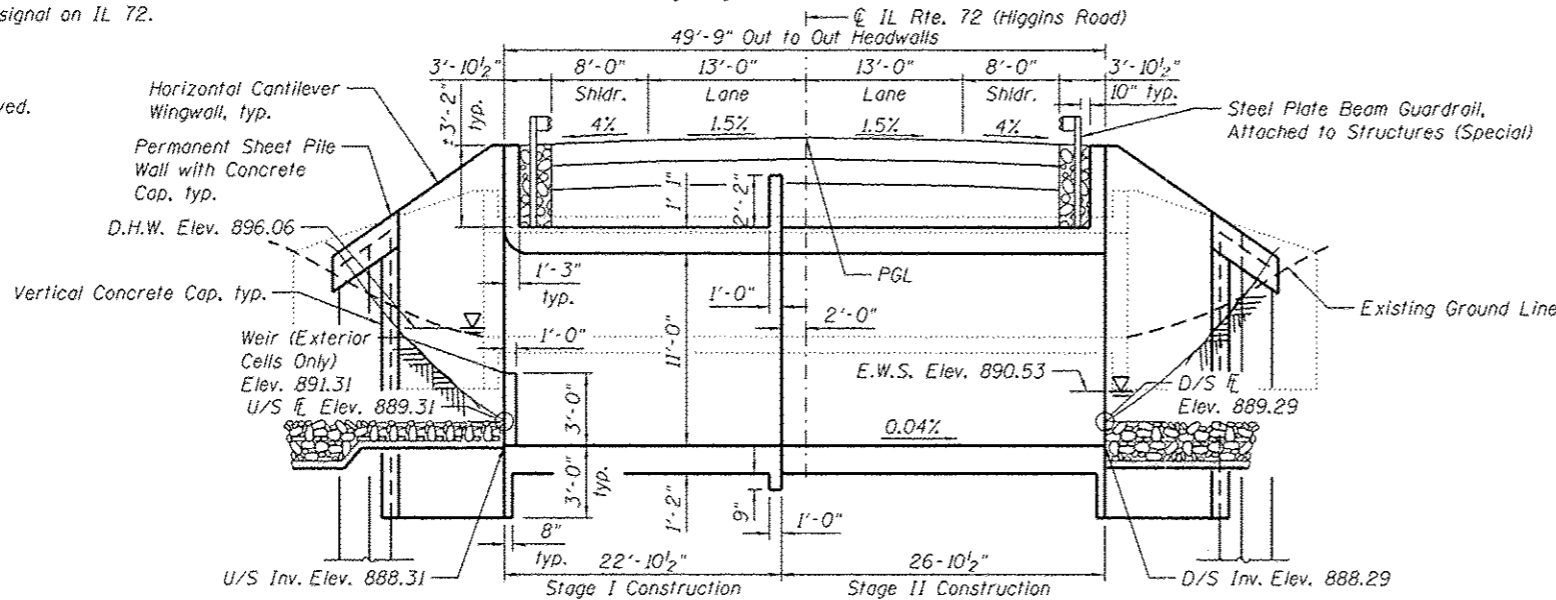
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	33
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

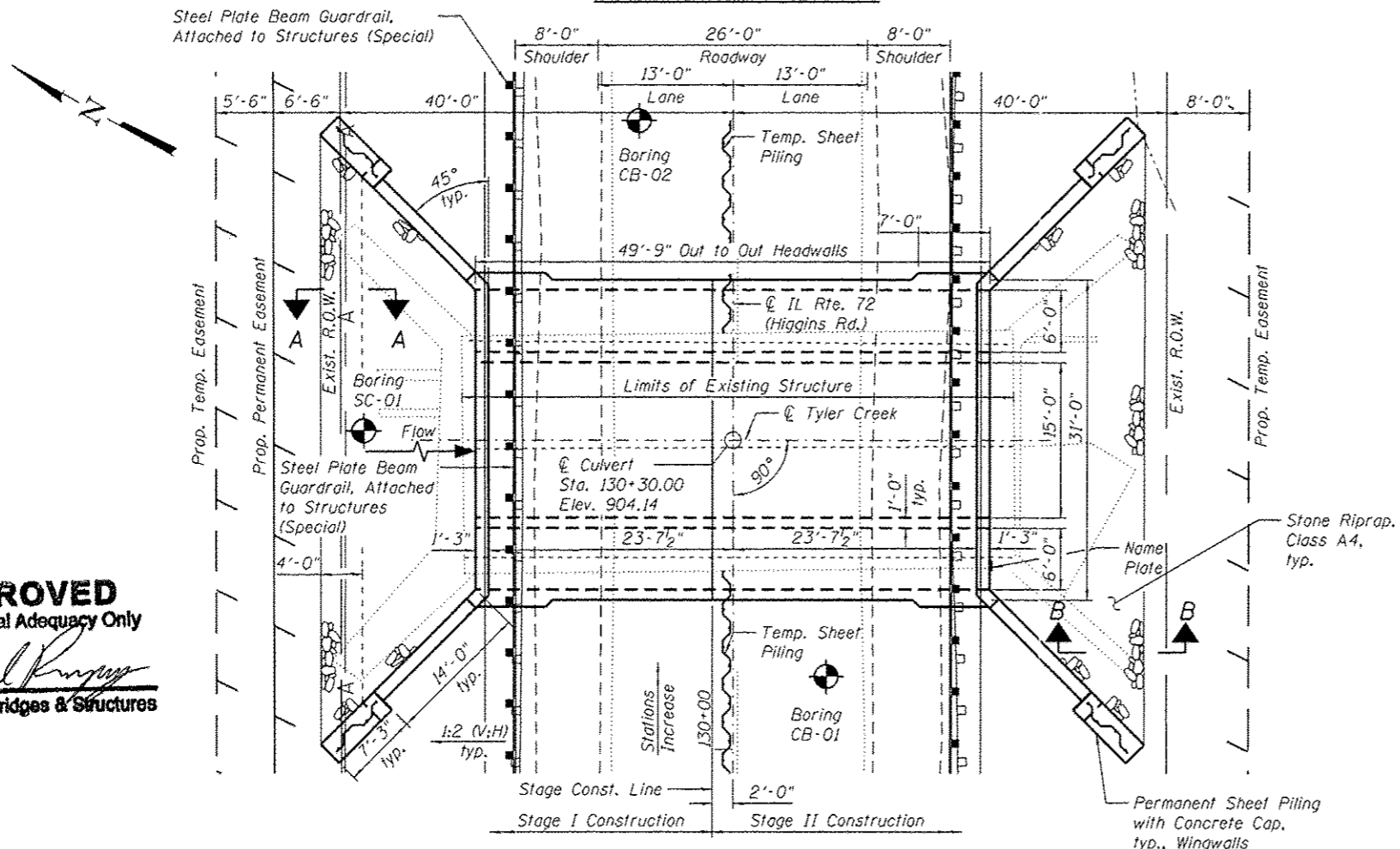
Benchmark: CP#6-Iron Rod with Cap on IL Rte. 72 (Higgins Road) at Sta. 146+04.04, Offset 18.41' L1. Elevation 919.33

Existing Structure: S.N. 045-0080 was originally built in 1935 as S.A. Route 31, Section 109-NRS. The structure is a double cell 10'-0" wide x 6'-0" high cast-in-place reinforced concrete box culvert with vertical cantilever wingwalls on each side. The length of the culvert from out to out of headwall is 53'-4" and width is 22'-0". The low flow culvert section 3'-0" wide x 3'-0" high below the east cell has an approximate 4' sloped extension at the south side and an approximate 6'-6" flat extension at the north side. The west cell has a 3-sided structure floor extension at the south end. The L-Type wingwalls are approximately 14'-0" long and 7'-6" tall. Existing Structure 045-0244 was originally built as 6'-0" wide x 6'-0" high cast-in-place culvert to convey Tyler Creek overflow. The length of the culvert from out to out of headwall is approximately 43'-0". This culvert is located approximately 500'-0" west of S.N. 045-0080. IL 72 was resurfaced in Contract No. 60Y62 in 2015. One lane of traffic will be maintained during staged construction utilizing a temporary traffic signal on IL 72.

No Salvage.
Precast alternate is not allowed.



LONGITUDINAL SECTION

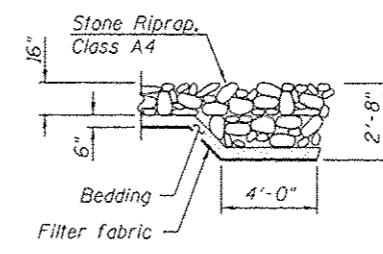


PLAN

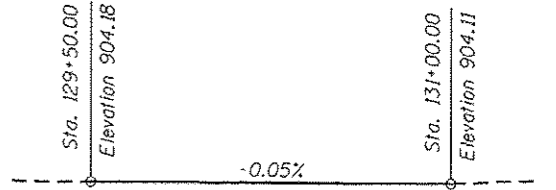
WATERWAY INFORMATION

Drainage Area = 5.3 Sq. Mi.		Existing Overtopping Elev. 903.97 at Sta. 129+99.43 Proposed Overtopping Elev. 904.08 at Sta. 125+00.00							
Flood	Freq. Yr.	0 C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
Peak	2	148	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	10	305	11	94	893.69	1.81	0.00	895.50	893.69
Design	50	455	26	128	894.94	1.89	0.05	896.83	894.99
Base	100	547	61	175	896.06	1.71	0.10	897.77	896.16
Scour Design Check									
Overtopping-Exist.									
Overtopping-Prop.									
Max. Calc.	500	684	79	200	897.59	1.38	0.20	898.97	897.79

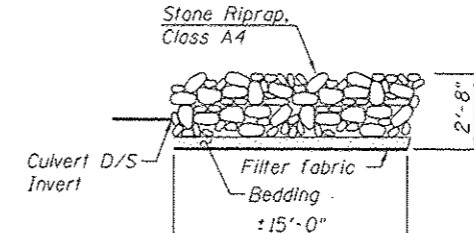
10 Year Velocity Through Existing Culvert = 11.7 ft/s
10 Year Velocity Through Proposed Structure = 3.0 ft/s



SECTION A-A



PROFILE GRADE
(Along IL Rte. 72)



SECTION B-B

STATION 130+30.00
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 341 SEC. 2014-089B-R
LOADING HL-93
STRUCTURE NO. 045-0279

NAME PLATE
See Std. 515001

DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design
Specifications, 7th Edition
with 2016 Interims

DESIGN STRESSES
FIELD UNITS

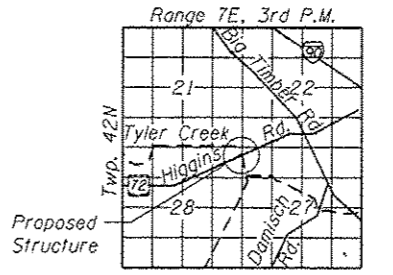
f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (Permanent Steel Sheet Piling)

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

GENERAL PLAN
IL RTE. 72 (HIGGINS ROAD)
OVER TYLER CREEK
F.A.P. RTE. 341-SEC. 2014-089B-R
KANE COUNTY
STATION 130+30.00
STRUCTURE NO. 045-0279



DATE SIGNED: 10/13/16
EXP. DATE: 11/30/16



LOCATION SKETCH

APPROVED
For Structural Adequacy Only
Sheela Arjeshkumar
Engineer of Bridges & Structures

FILE NAME: G:\Engineering\Live\Projects\2023\DOT\2014\089B-R\045-0279\0241-01-GPE.dgn



USER NAME: jahn
DESIGNED: AB
CHECKED: JMT
DRAWN: JN
CHECKED: JMT
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 10/13/2016

DESIGNED: AB
CHECKED: JMT
DRAWN: JN
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REVISED: [blank]
REVISED: [blank]
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	63	34
CONTRACT NO. 62A41			ILLINOIS FED. AID PROJECT	

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes, Index of Sheets and Total Bill of Material
3. Stage Construction Details
4. Temporary Concrete Barrier for Stage Construction
5. Culvert Details - I
6. Culvert Details - II
7. Bar Splicer Assembly and Mechanical Splicer Details
8. Boring Logs - I
9. Boring Logs - II
10. Existing Structure (For Information Only)

GENERAL NOTES

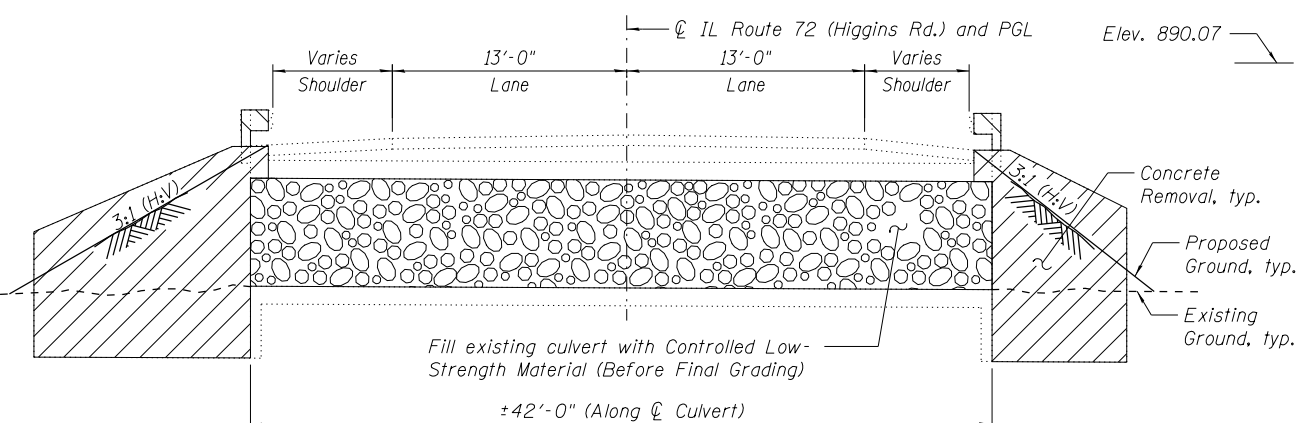
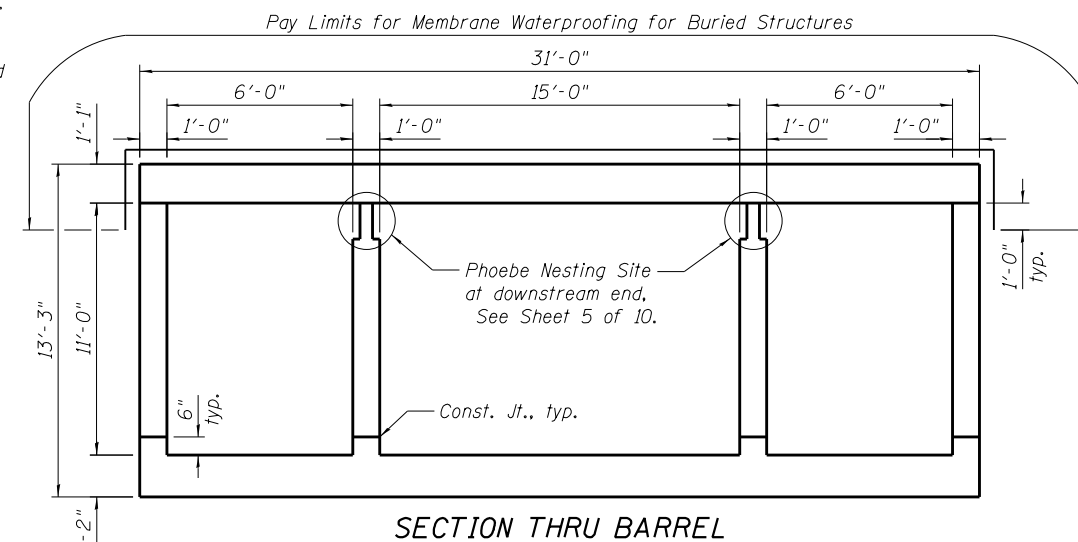
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls, top and outside face of the Concrete Cap on the Permanent Sheet Piling and the outside face of the vertical Concrete Cap.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. If the Contractor chooses to alter the temporary cantilever sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
5. All excavation required for construction of the culvert as shown in these plans and in accordance with the Standard Specifications shall be included in the cost for Concrete Box Culverts.
6. All excavation required for the removal of the headwalls and wingwalls for the culvert at Sta. 125+03 shall be included in the cost for Concrete Removal.

SCOPE OF WORK

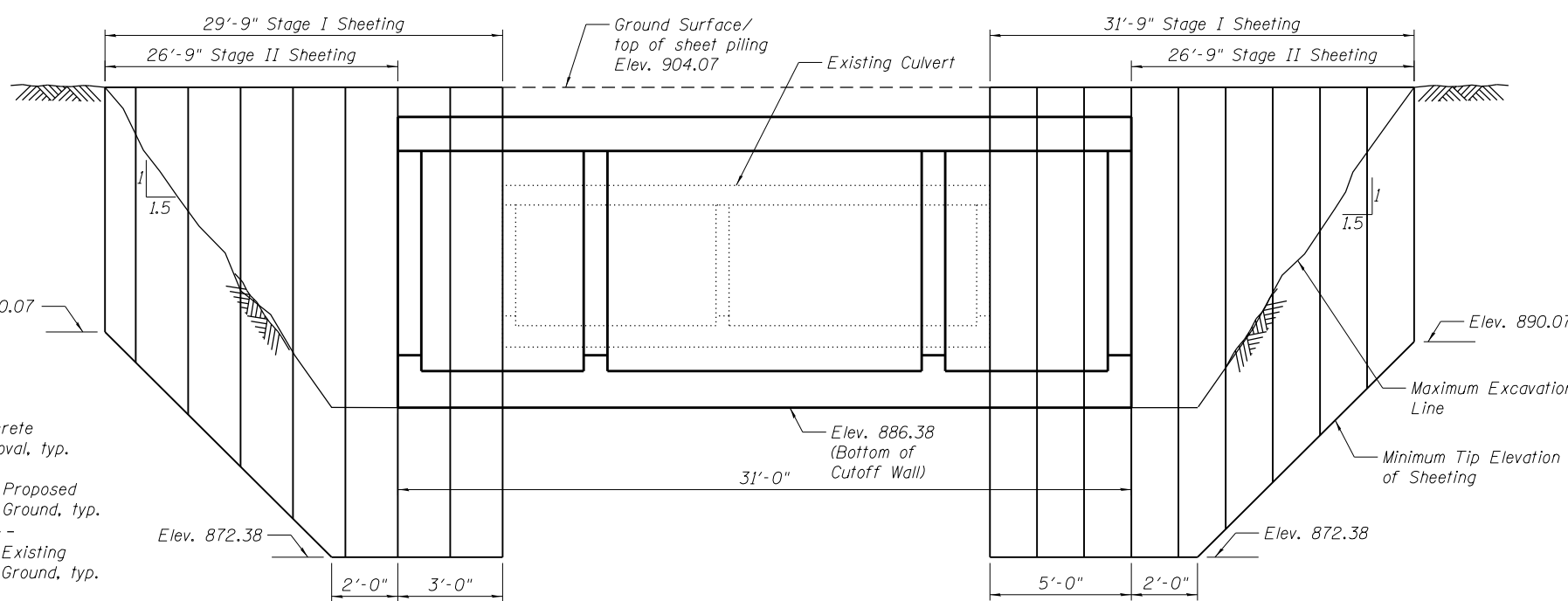
1. Remove wingwalls, headwalls and fill existing culvert (SN 045-0244) with CLSM.
2. Install temporary traffic signal and shift traffic to the south.
3. Install Temporary Sheet Piling at stage removal line outside of culvert walls as directed by the Engineer.
4. Remove existing roadway and culvert for Stage I Removal.
5. Construct proposed culvert, wingwalls and Permanent Sheet Pile Wall for Stage I Construction.
6. Shift traffic to the north over newly constructed portion of culvert for Stage II Removal.
7. Remove remaining roadway and culvert for Stage II Removal.
8. Construct proposed culvert, wingwalls and Permanent Sheet Pile Wall for Stage II Construction.
9. Re-establish the flow through proposed culvert. Remove temporary traffic signal and open the road to the traffic

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	148
Filter Fabric	Sq. Yd.	148
Removal of Existing Structures	Each	1
Concrete Removal	Cu. Yd.	8.3
Concrete Structures	Cu. Yd.	13.0
Reinforcement Bars, Epoxy Coated	Pound	50,780
Bar Splicers	Each	224
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	1513
Permanent Sheet Piling	Sq. Ft.	834
Concrete Box Culverts	Cu. Yd.	270.8
Concrete Sealer	Sq. Ft.	972
Controlled Low-Strength Material	Cu. Yd.	56
Steel Plate Beam Guardrail, Attached to Structures (Special)	Foot	75
Membrane Waterproofing for Buried Structures	Sq. Yd.	195



LONGITUDINAL SECTION
(Existing 6'X6' Box Culvert at Sta. 125+03)
(Looking East)
(Exist. SN 045-0244)



TEMPORARY SHEET PILING DETAIL
IL RTE. 72 @ STAGE CONSTRUCTION LINE
Minimum Section Modulus = 33.2 in³/ft
(Proposed Box Culvert at Sta. 130+30)
(Looking Upstream)
(Proposed SN 045-0279)

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W0 8 (W0 1) Contract No. 62A41\CADD\CADD Sheets\Structural\045-0279-62A41-02-GenNote_Index.dgn



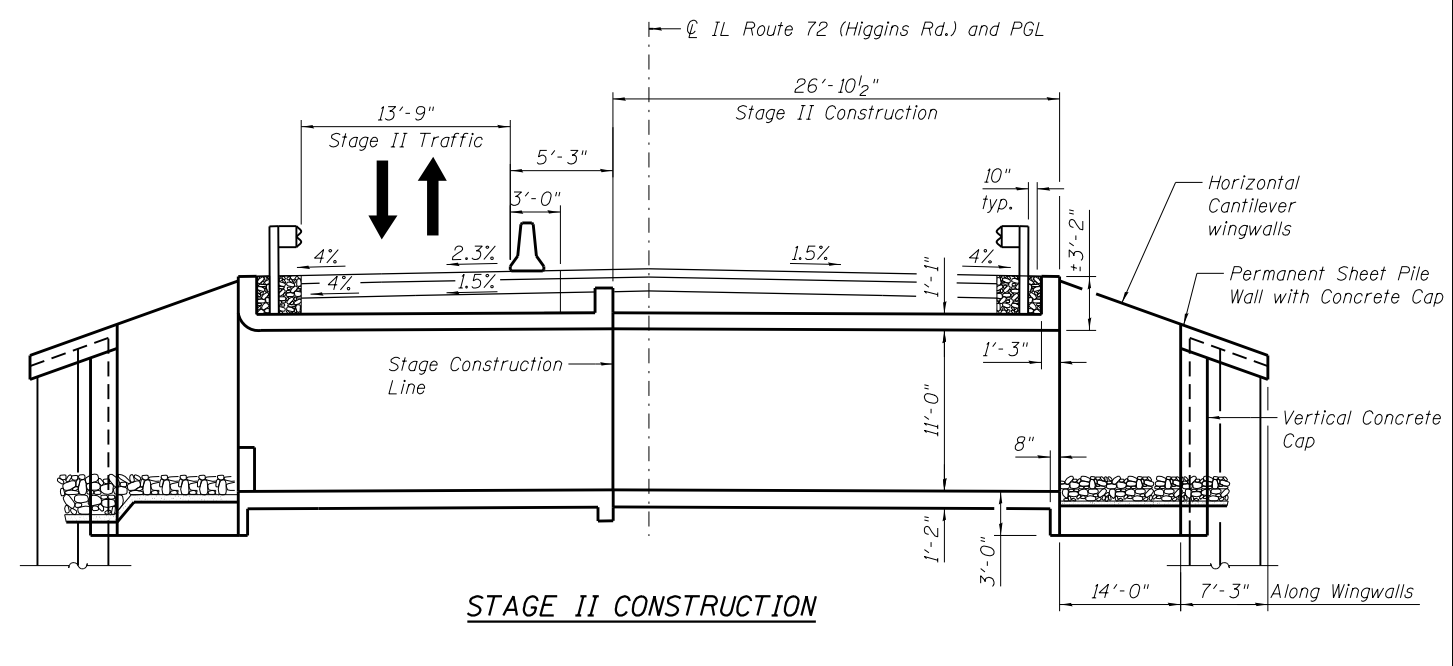
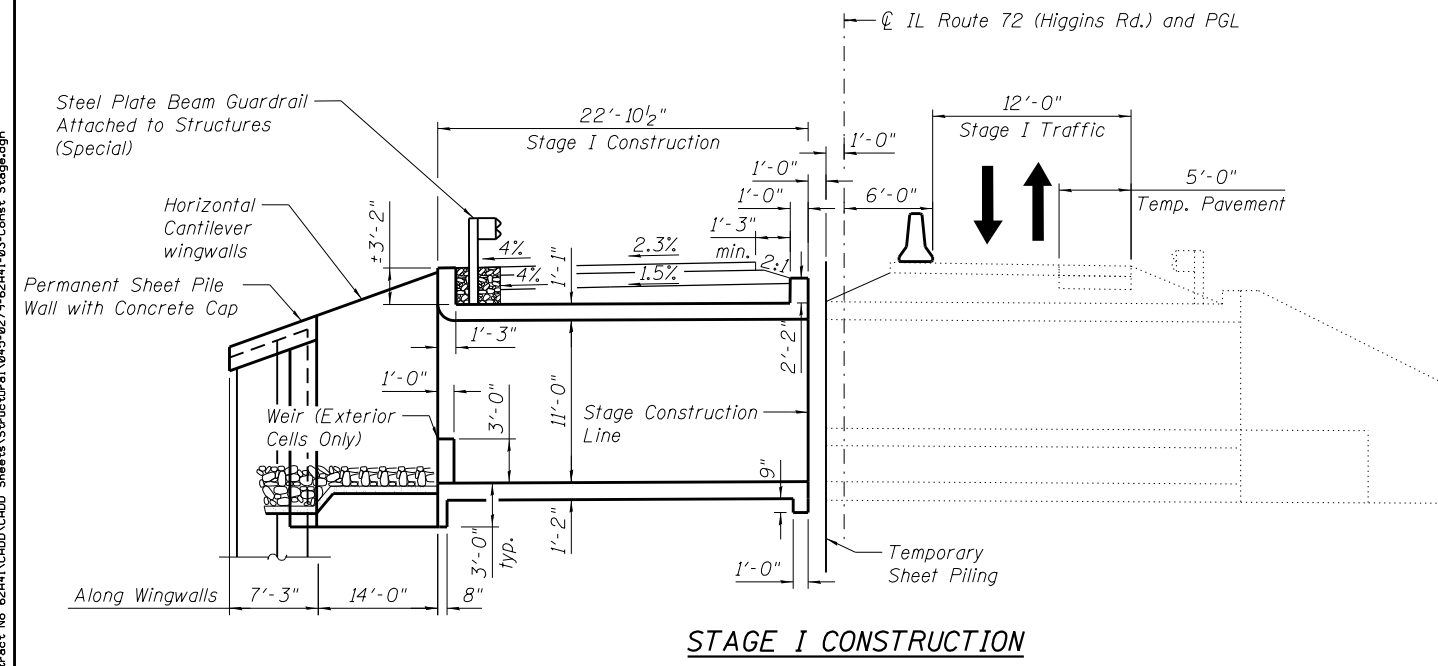
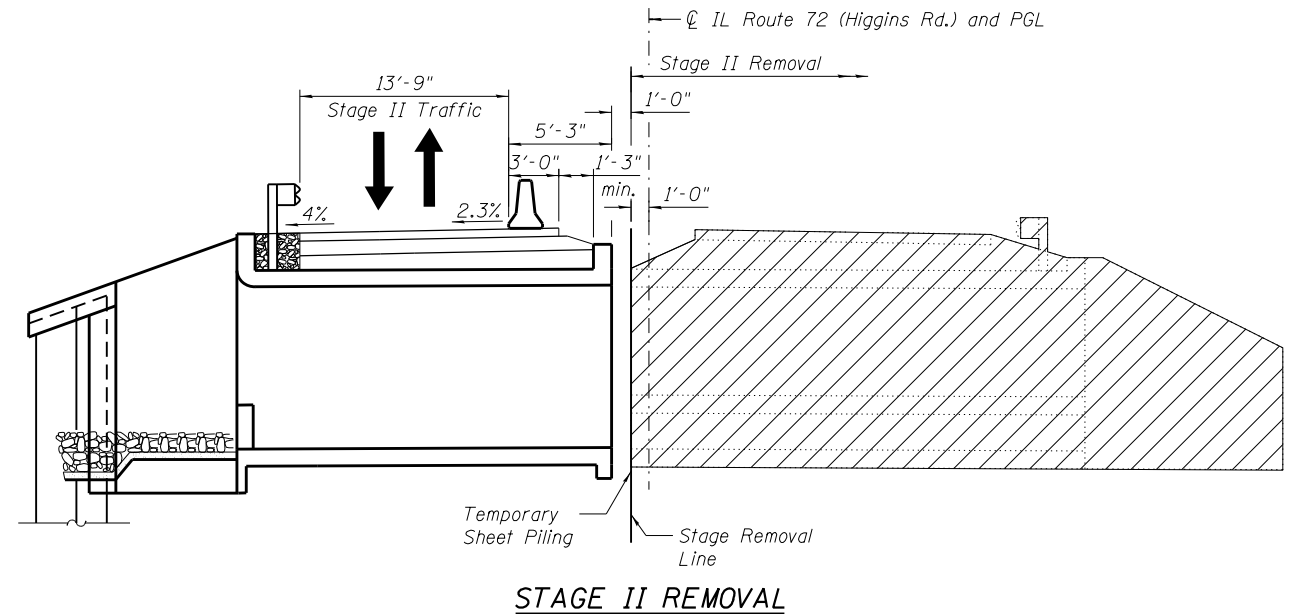
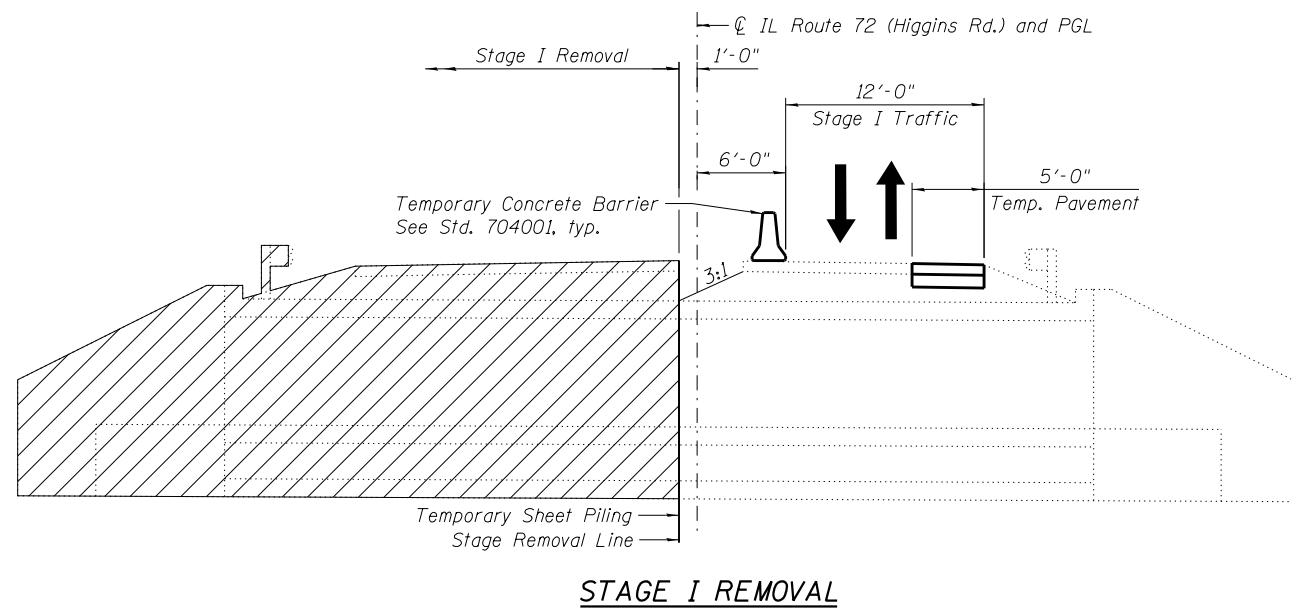
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PLOT DATE = 1/26/2017	DRAWN - SAT	REVISED
	CHECKED - JMT	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
STRUCTURE NO. 045-0279
SHEET NO. 2 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	35
CONTRACT NO. 62A41				

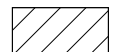
ILLINOIS FED. AID PROJECT



NOTES:

1. All sections are looking East.
2. One lane of traffic will be maintained during each stage utilizing a temporary traffic signal.
3. For Details of Temporary Concrete Barrier, see Sheet 4 of 10.
4. The final roadway cross slope on the north side of the road will be 1.5%. The interim cross slope for the top of the HMA Base Course will be 2.3%. See Roadway MOT Typical Sections for additional details.

LEGEND

 Removal of Existing Structure and Roadway

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No 62A41\CADD\CADD Sheets\Structural\045-0279-62A41-03-Const Stage.dgn



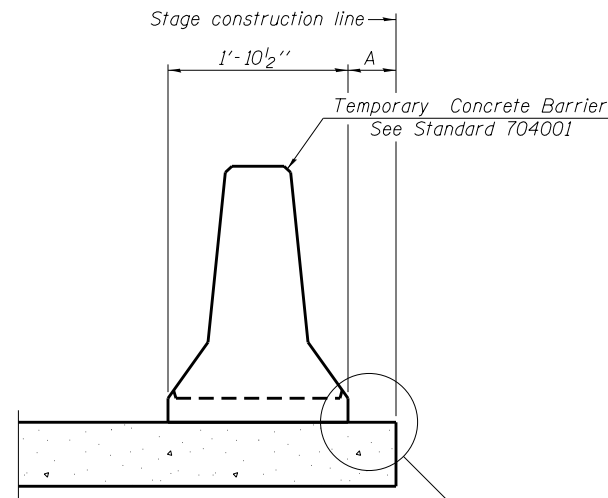
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PLOT DATE = 11/21/2016	CHECKED - JMT	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 045-0279**

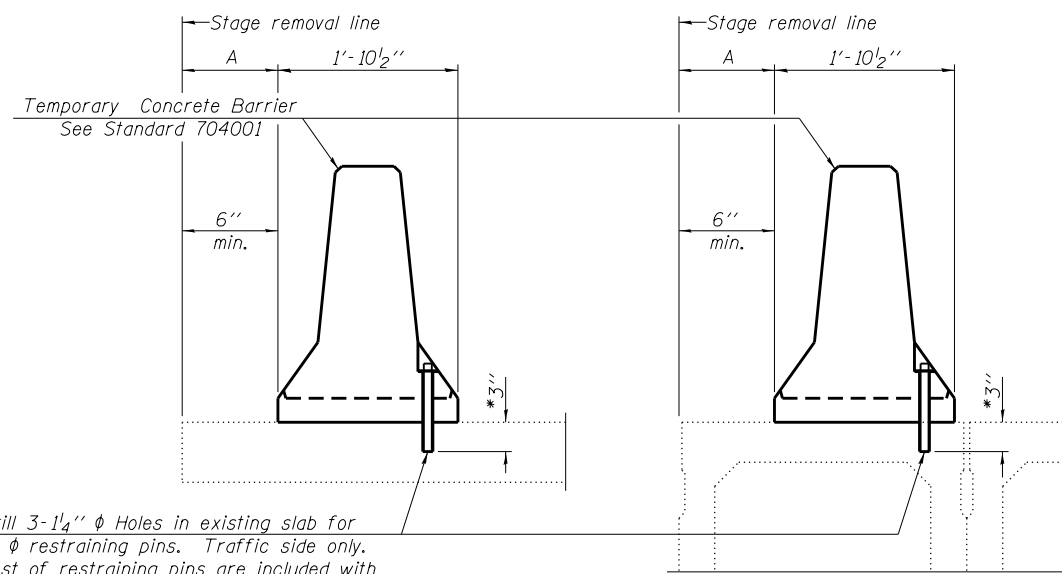
SHEET NO. 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	36
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



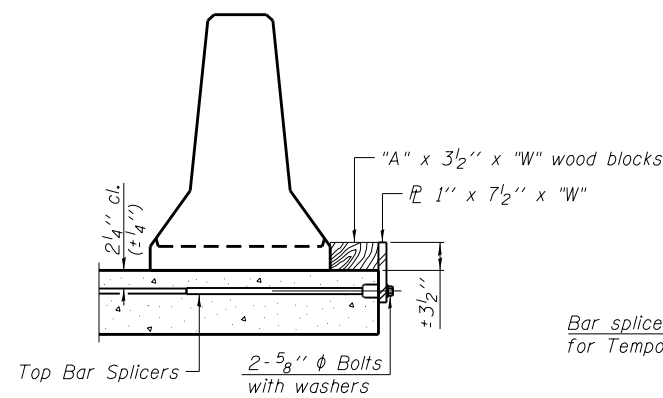
Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

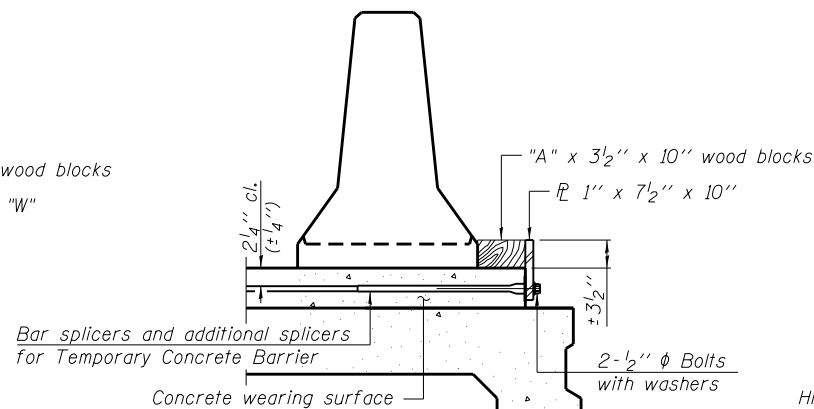
EXISTING DECK BEAM

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

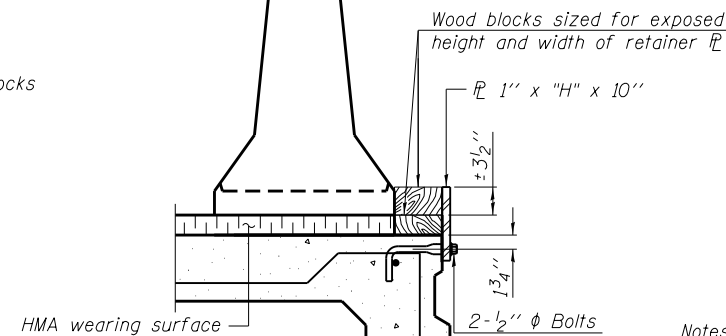
SECTIONS THRU SLAB OR DECK BEAM



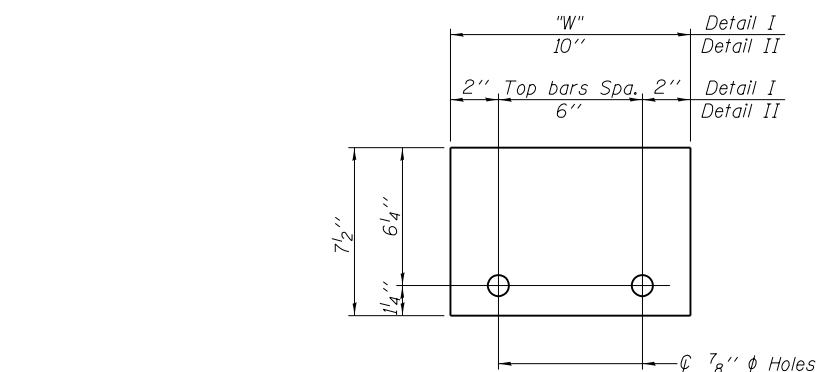
DETAIL I



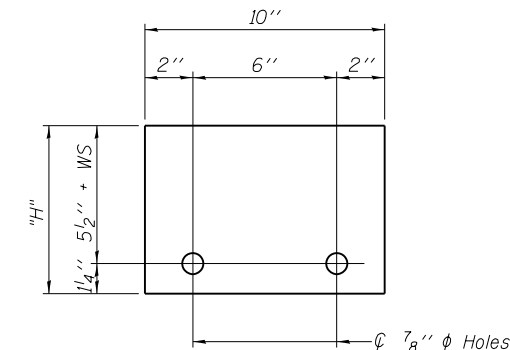
DETAIL II



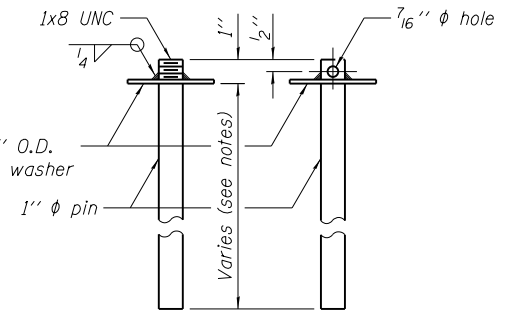
DETAIL III



STEEL RETAINER 1" x 7 1/2" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)



RESTRAINING PIN

US Std. 1 1/16" I.D. x 2 1/2" O.D. x approx. 8 gauge thick washer

BAR SPLICER FOR #4 BAR - DETAIL III

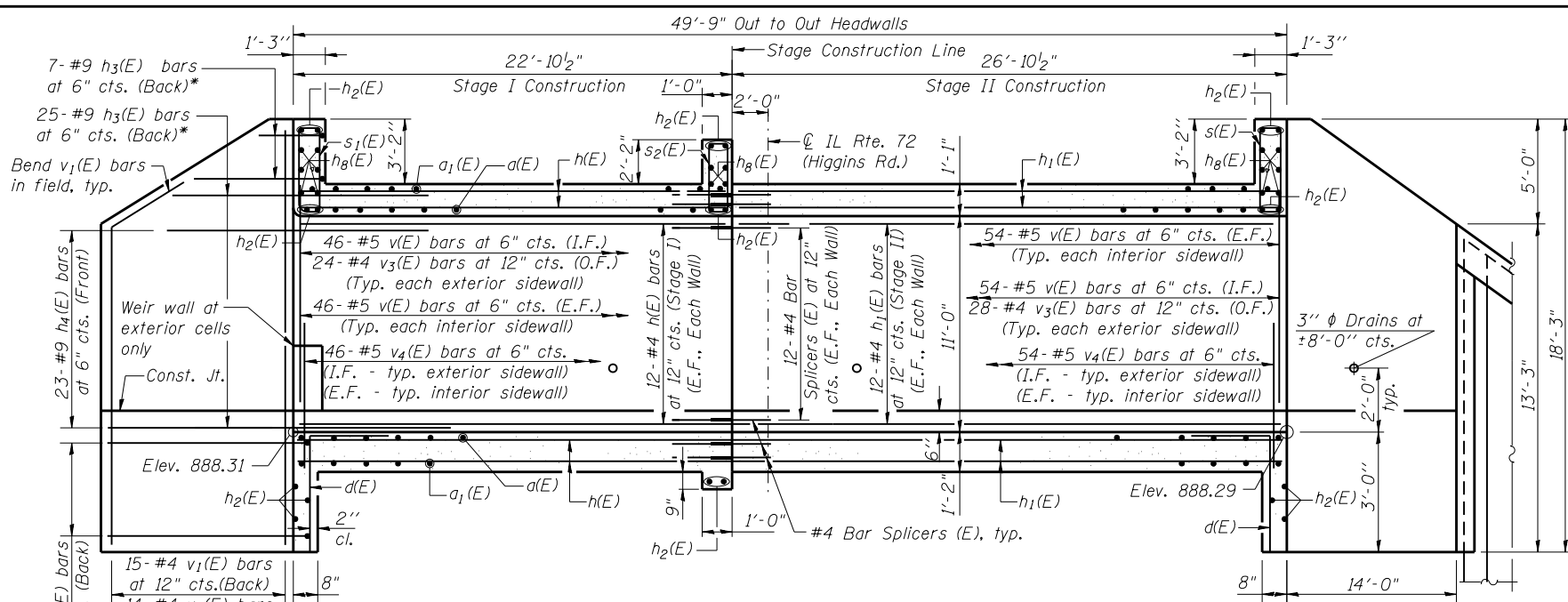
Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate ϕ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

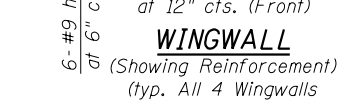
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CHECKED - JMT	REVISIONS	
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PLOT DATE = 11/21/2016	CHECKED - JMT	REVISED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	37
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

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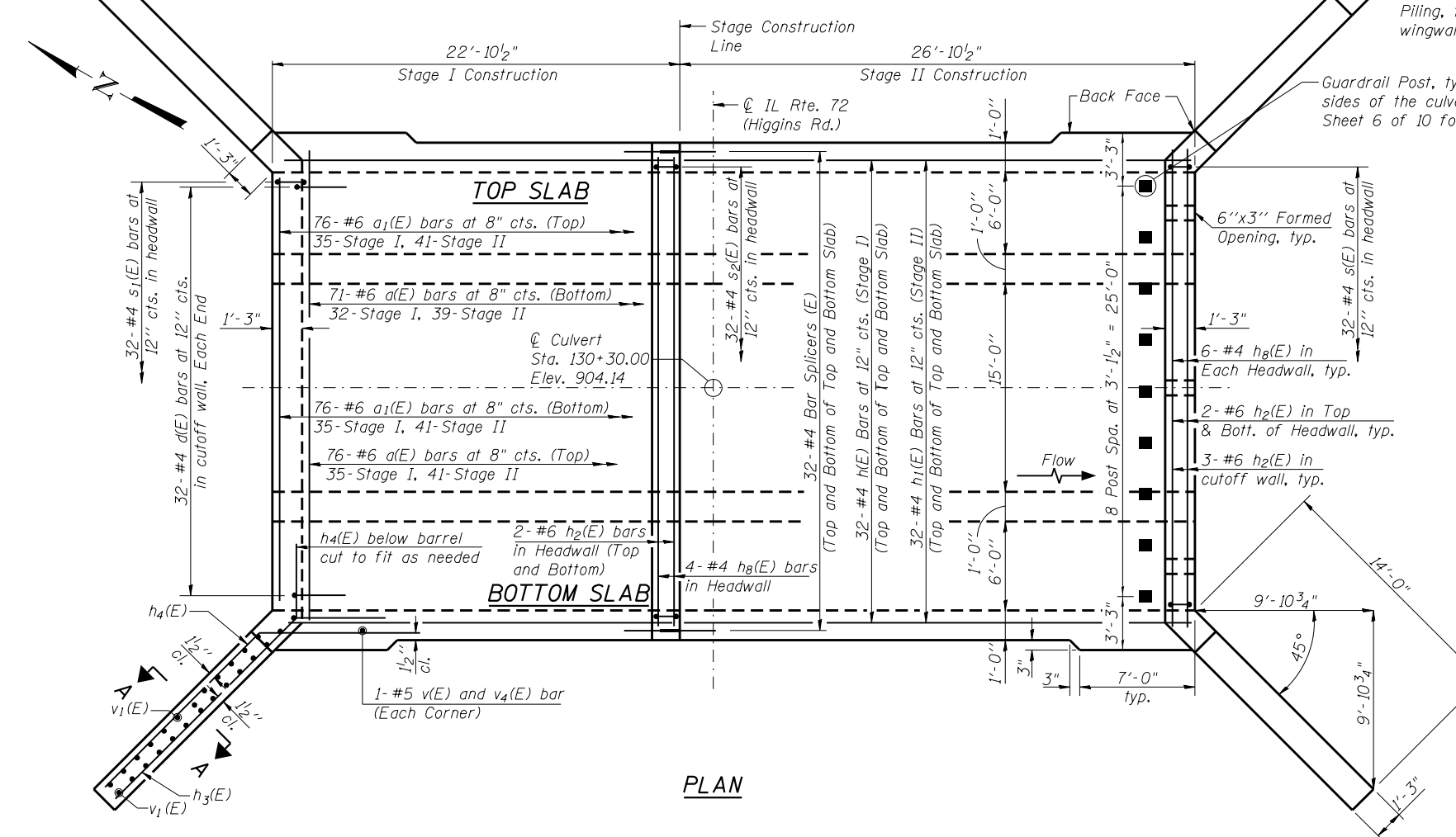
LONGITUDINAL SECTION



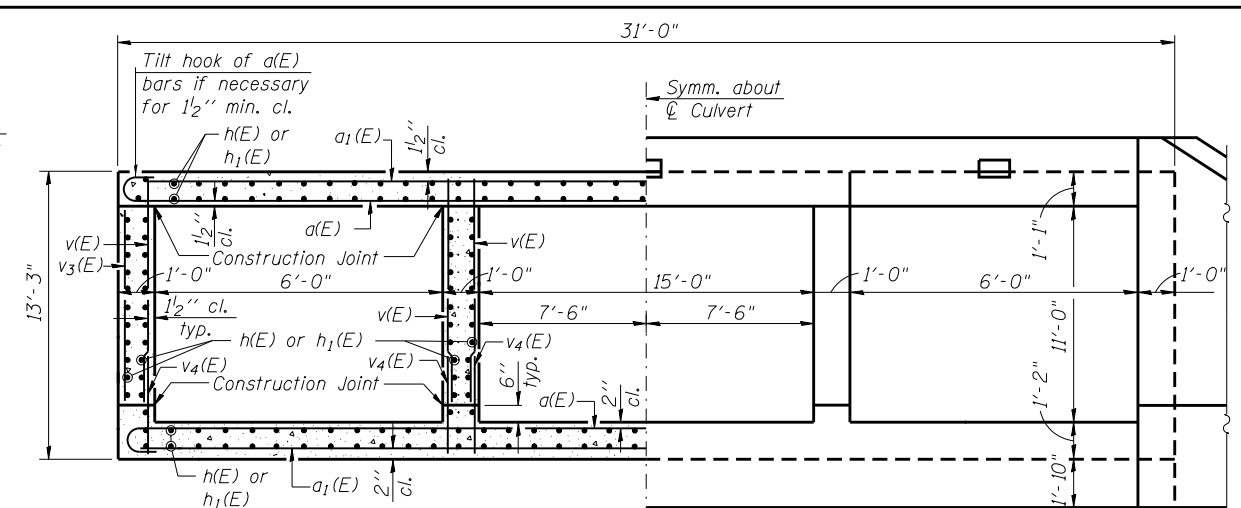
WINGWALL
(Showing Reinforcement)
(Typ. All 4 Wingwalls)

MINIMUM BAR LAP
#5 bar = 3'-2"

* Cut h₃(E) bars in field

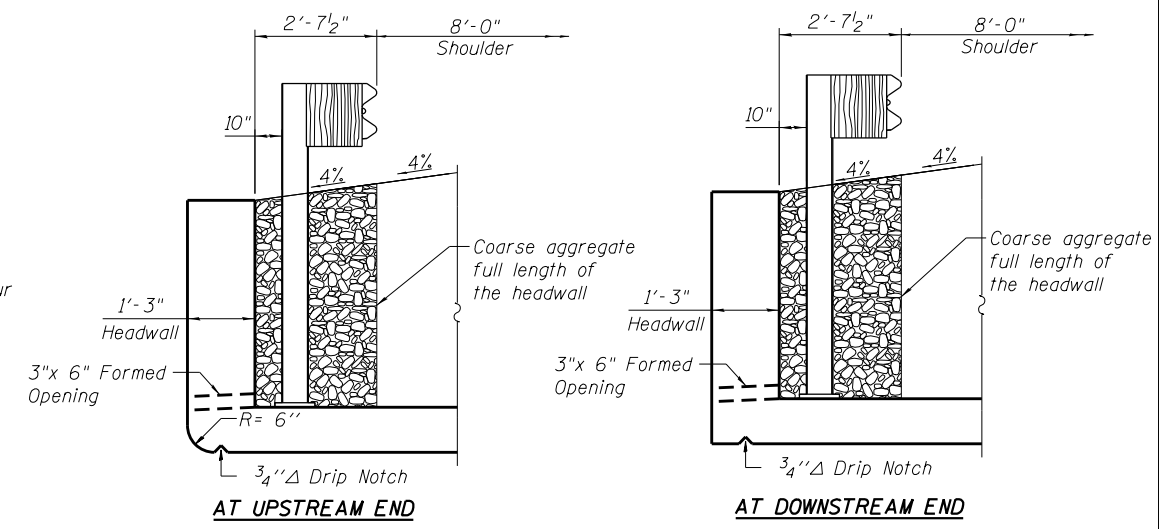


PLAN



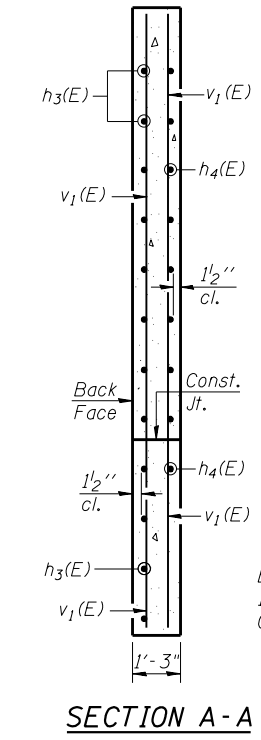
HALF SECTION THRU BARREL

HALF END ELEVATION

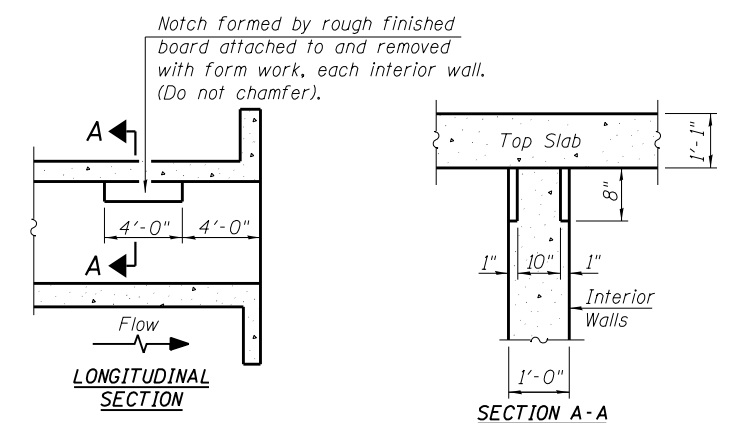


AT UPSTREAM END

AT DOWNSTREAM END



SECTION A-A



PHOEBE NESTING SITE DETAILS
(Downstream End Only)

E.F. denotes Each Face
I.F. denotes Interior Face
O.F. denotes Outer Face

NOTES:

- 7'-0" of the barrel shall be pored monolithically with the wingwalls.
- See Sheet 6 of 10 for Guardrail post details for Steel Plate Beam Guardrail, Attached to Structures (Special)
- See sheet 6 of 10 for Permanent Sheet Piling details.
- See sheet 6 of 10 for Weir details.



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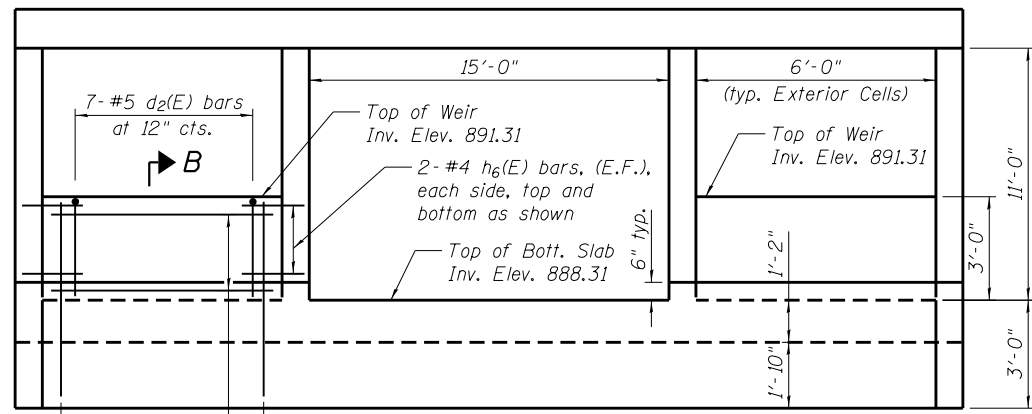
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - I
STRUCTURE NO. 045-0279

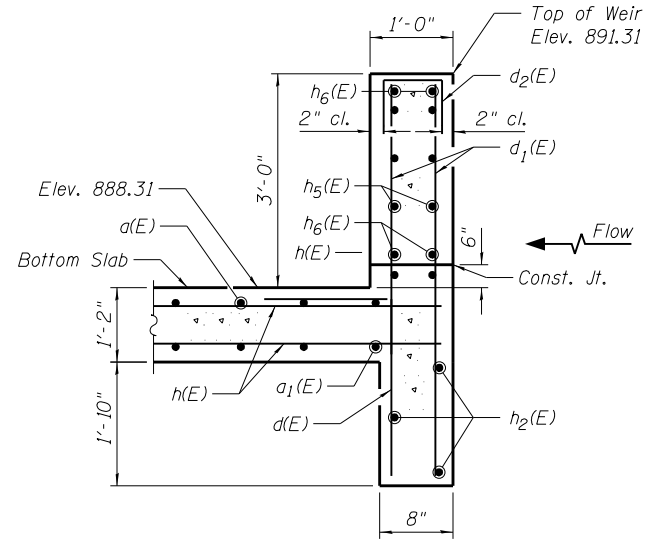
SHEET NO. 5 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	38
CONTRACT NO. 62A41				

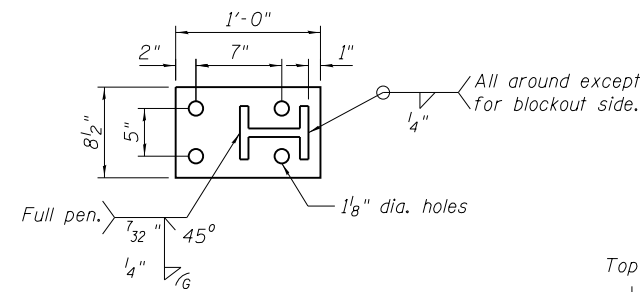
ILLINOIS FED. AID PROJECT



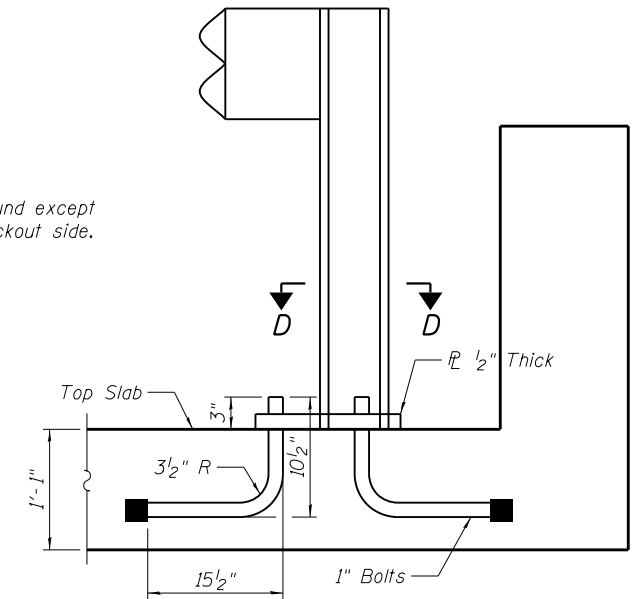
WEIR (Showing Reinforcement) **WEIR ELEVATION** (Upstream End Only) (Exterior Cells Only) **WEIR** (Showing Dimensions)



SECTION B-B

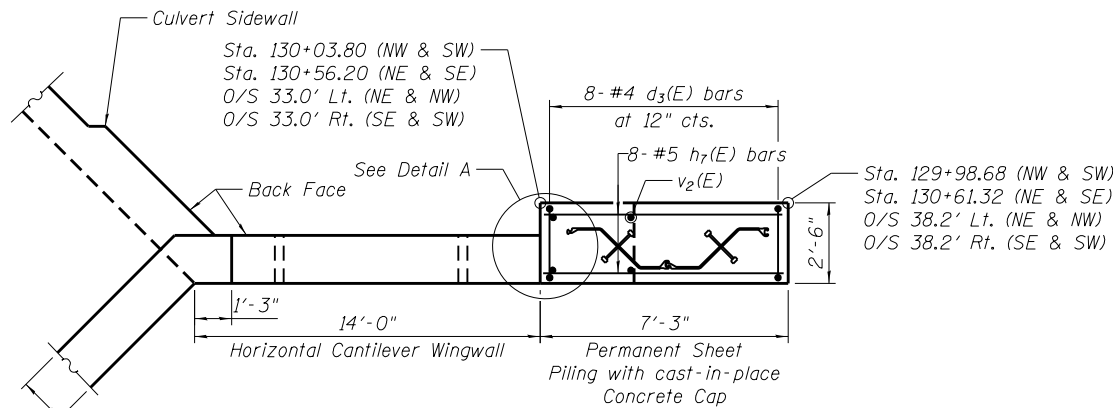


SECTION D-D

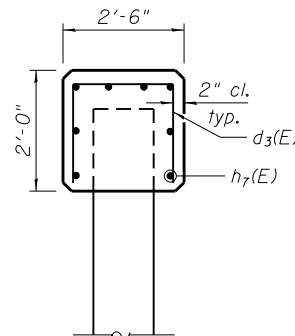


ANCHOR BOLT DETAILS FOR GUARDRAIL

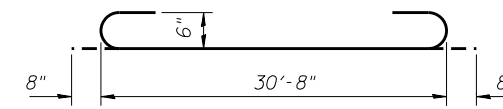
Note: The cost of the Anchor Bolts and Steel Plate shall be included in the cost of the Steel Plate Beam Guardrail, Attached to Structures (Special)



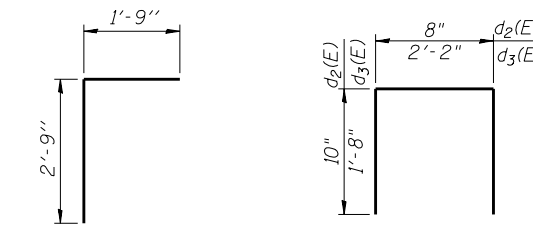
WINGWALL PLAN



SECTION C-C CONCRETE CAP DETAIL

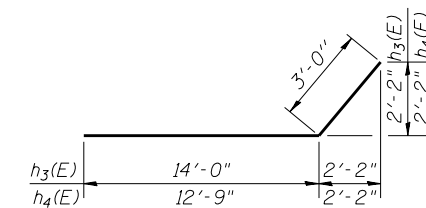


BAR d1(E)

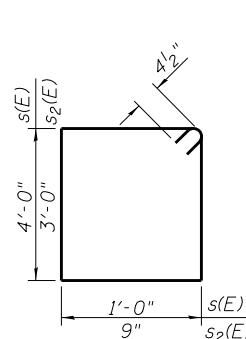


BAR d2(E)

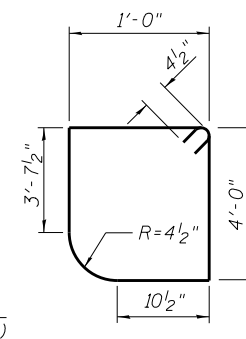
BARS d3(E)



BARS h3(E) & h4(E)



BAR s1(E) & s2(E)



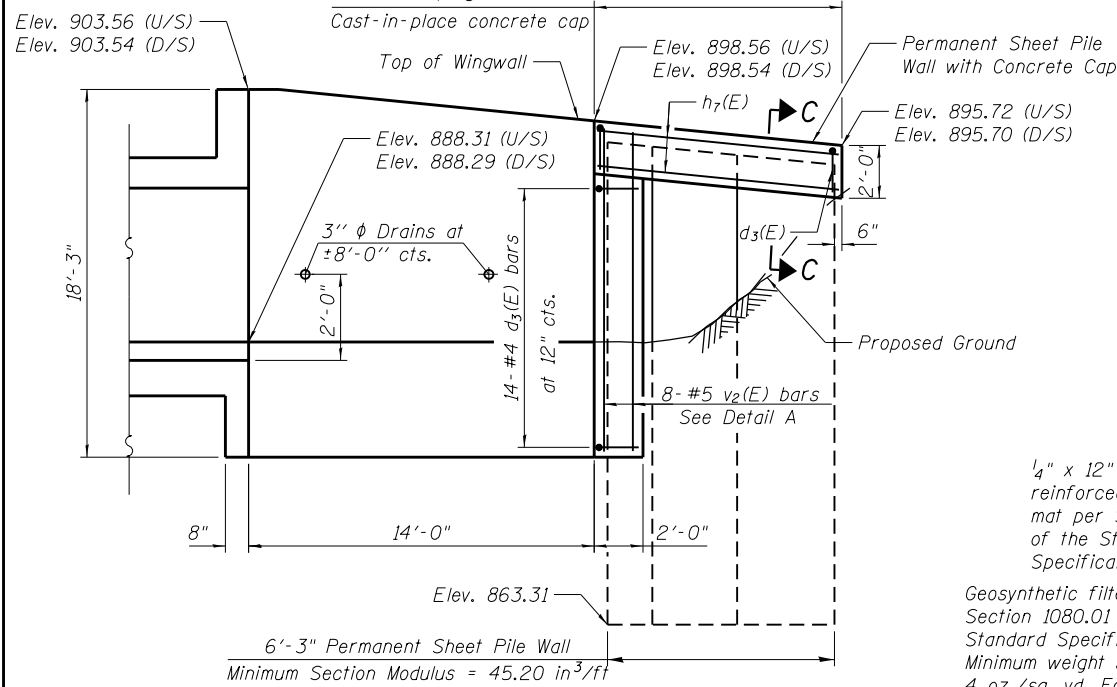
BAR s1(E)

BILL OF MATERIAL

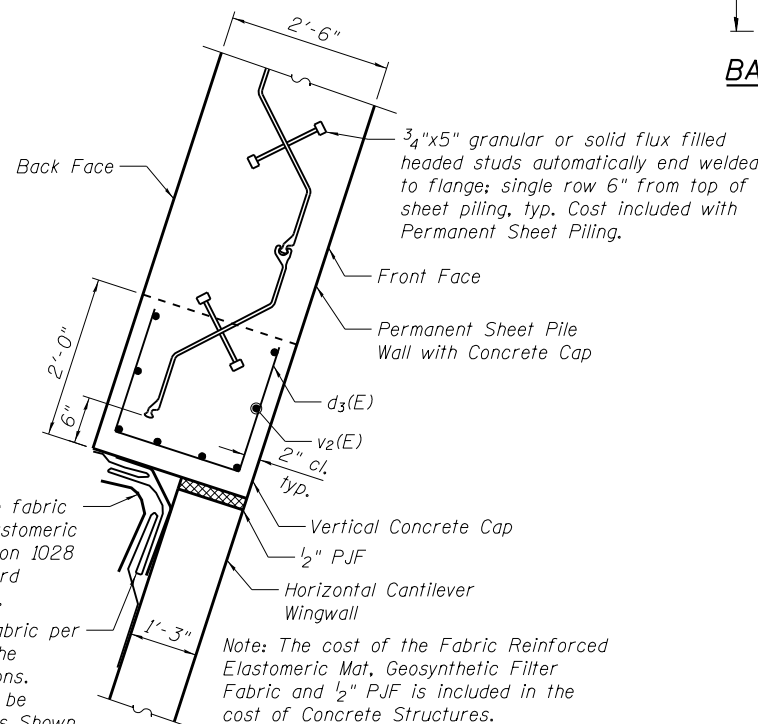
Bar	No.	Size	Length	Shape
d1(E)	147	#6	32'-0"	
a1(E)	152	#6	30'-8"	
d(E)	64	#4	4'-6"	
d1(E)	28	#5	5'-8"	
d2(E)	14	#5	2'-4"	
d3(E)	88	#4	5'-6"	
h(E)	224	#4	22'-6"	
h1(E)	224	#4	26'-6"	
h2(E)	20	#6	30'-8"	
h3(E)	152	#9	17'-0"	
h4(E)	92	#9	15'-9"	
h5(E)	16	#4	5'-8"	
h6(E)	16	#4	1'-6"	
h7(E)	32	#5	6'-11"	
h8(E)	16	#4	30'-8"	
s(E)	32	#4	10'-9"	
s1(E)	32	#4	10'-8"	
s2(E)	32	#4	8'-3"	
v(E)	604	#5	11'-3"	
v1(E)	116	#4	17'-11"	
v2(E)	32	#5	12'-11"	
v3(E)	104	#4	10'-2"	
v4(E)	604	#5	5'-0"	

Reinforcement Bars, Epoxy Coated	Pound	50,780
Concrete Structures	Cu. Yd.	13.0
Bar Splicers	Each	224
Permanent Sheet Piling	Sq. Ft.	834
Concrete Box Culverts	Cu. Yd.	270.8
Concrete Sealer	Sq. Ft.	972
Steel Plate Beam Guardrail Attached to Structures (Special)	Foot	75

Note: Concrete Cap for Permanent Sheet Pile Wall and Vertical Concrete Cap to be paid for as Concrete Structures.



WINGWALL & PERMANENT SHEET PILING ELEVATION



DETAIL A

1/4" x 12" wide fabric reinforced elastomeric mat per Section 1028 of the Standard Specifications.
Geosynthetic filter fabric per Section 1080.01 of the Standard Specifications. Minimum weight shall be 4 oz./sq. yd. Fold as Shown

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - II STRUCTURE NO. 045-0279

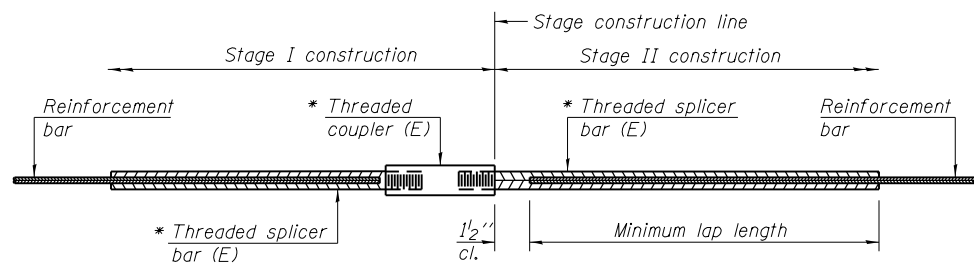
SHEET NO. 6 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	39
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003h - W 8 IWO IJ Contract No. 62A41\CADD\CADD Sheets\Structural\045-0279-62A41-06-Culvert Det. IIdgn



USER NAME = sapant	DESIGNED - SAT	REVISIONS
PLOT SCALE = 0.1667' / 1"	CHECKED - JMT	REVISIONS
PLOT DATE = 1/26/2017	DRAWN - JN	REVISIONS
	CHECKED - JMT	REVISIONS

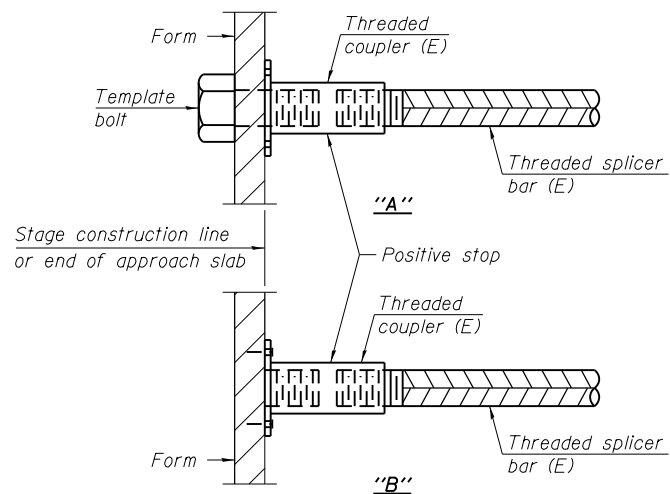


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1/2" + thread length

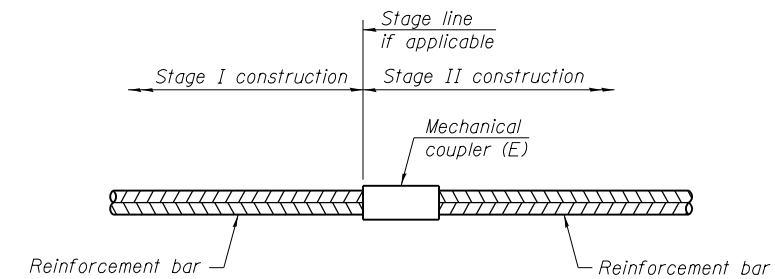
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#4	64	2'-7"
Bottom Slab	#4	64	2'-7"
Sidewall	#4	96	2'-7"



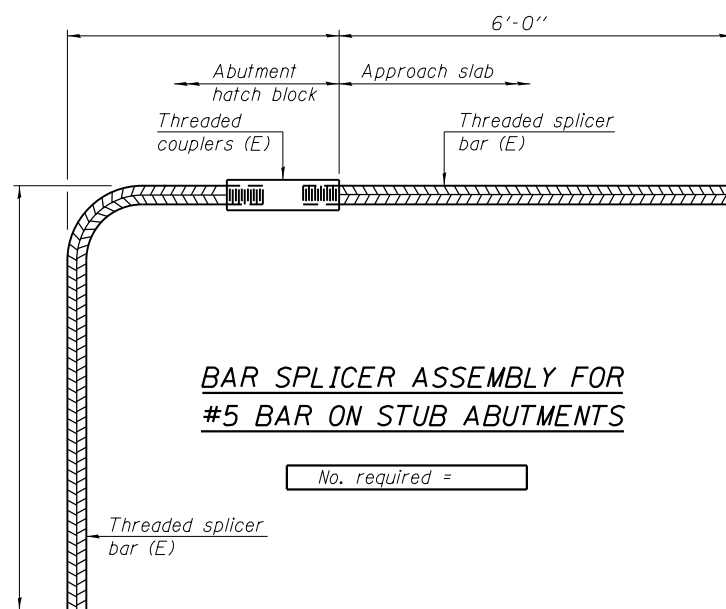
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUFV\3003h - W 8 IWO IJ Contract No 62A41\CADD\CADD Sheets\Structural\045-0279-62A41-07-Bar_Splicer.dgn

BSD-1

6-8-15



USER NAME = pprathapan
 PLOT SCALE = 0:2' = 1" / in.
 PLOT DATE = 11/21/2016

DESIGNED - SAT
 CHECKED - JMT
 DRAWN - JN
 CHECKED - JMT

REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 045-0279

SHEET NO. 7 OF 10 SHEETS

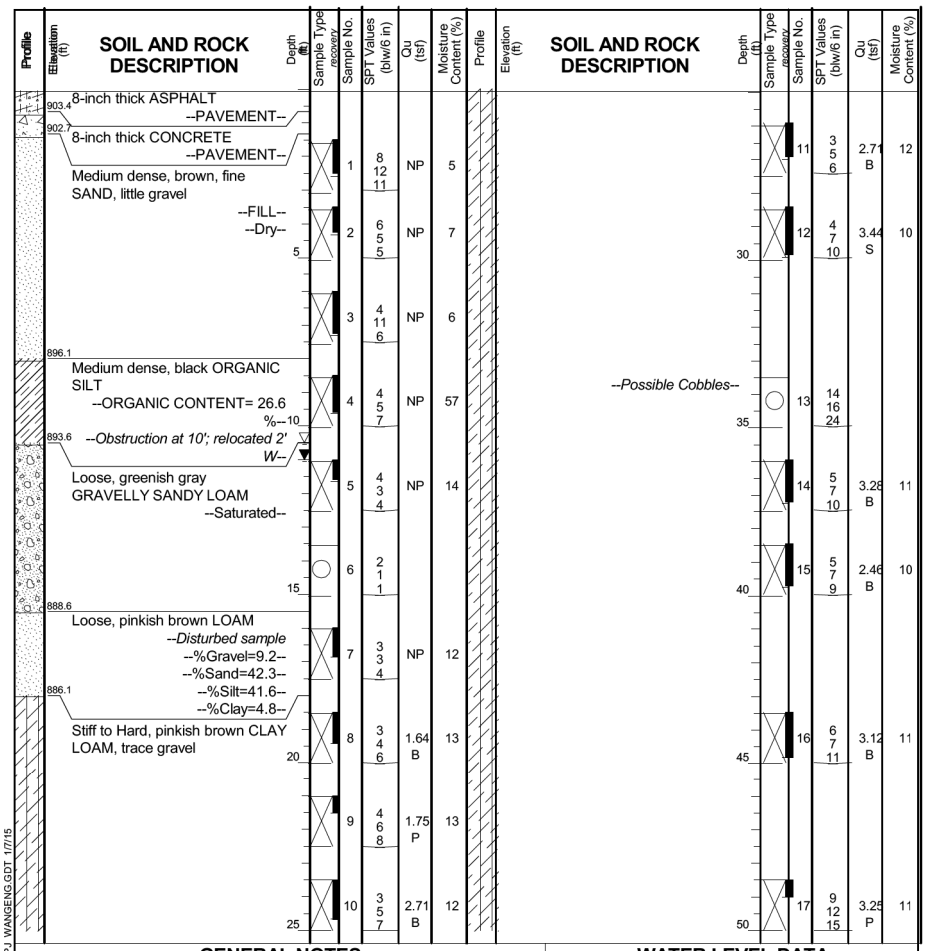
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	40
CONTRACT NO. 62A41				

ILLINOIS FED. AID PROJECT

BORING LOG CB-01

WEI Job No.: 491-01-04
 Client: **Accurate Group, Inc.**
 Project: **IL Route 72 over Tyler Creek**
 Location: **Pingree Grove, Illinois**

Datum: NGVD
 Elevation: 904.05 ft
 North: 1978961.27 ft
 East: 962428.06 ft
 Station: 130+7.04
 Offset: 9.04 RT



GENERAL NOTES

Begin Drilling **12-29-2014** Complete Drilling **12-29-2014**
 Drilling Contractor **Wang Testing Services** Drill Rig **D-50 TMR**
 Driller **R&J** Logger **S. Woods** Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA to 10'; mud rotary thereafter; boring backfilled upon completion**

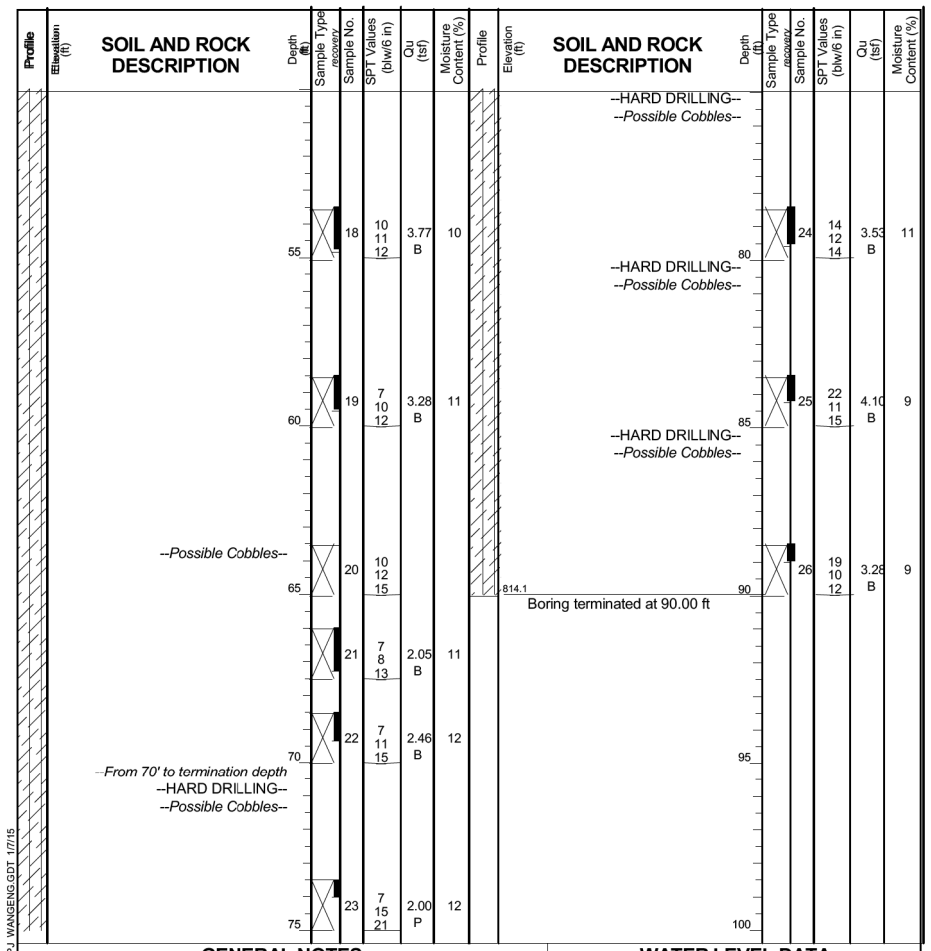
WATER LEVEL DATA

While Drilling **10.50 ft**
 At Completion of Drilling **11.00 ft**
 Time After Drilling **NA**
 Depth to Water **NA**
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG CB-01

WEI Job No.: 491-01-04
 Client: **Accurate Group, Inc.**
 Project: **IL Route 72 over Tyler Creek**
 Location: **Pingree Grove, Illinois**

Datum: NGVD
 Elevation: 904.05 ft
 North: 1978961.27 ft
 East: 962428.06 ft
 Station: 130+7.04
 Offset: 9.04 RT



GENERAL NOTES

Begin Drilling **12-29-2014** Complete Drilling **12-29-2014**
 Drilling Contractor **Wang Testing Services** Drill Rig **D-50 TMR**
 Driller **R&J** Logger **S. Woods** Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA to 10'; mud rotary thereafter; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **10.50 ft**
 At Completion of Drilling **11.00 ft**
 Time After Drilling **NA**
 Depth to Water **NA**
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUV\13003h - W 8 (W 8) Contract No. 62A41-CADD\CADD Sheets\Structural\045-0279-62A41-08-Boring_Log_L.dgn



USER NAME = pprathapan
 PLOT SCALE = 0.2" = 1' / in.
 PLOT DATE = 11/21/2016

DESIGNED - SAT
 CHECKED - JMT
 DRAWN - JN
 CHECKED - JMT

REVISED
 REVISED
 REVISED
 REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS - I
 STRUCTURE NO. 045-0279**
 SHEET NO. 8 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	41
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

BORING LOG CB-02

WEI Job No.: 491-01-04
 Client: **Accurate Group, Inc.**
 Project: **IL Route 72 over Tyler Creek**
 Location: **Pingree Grove, Illinois**

Datum: NGVD
 Elevation: 904.08 ft
 North: 1977003.52 ft
 East: 962466.09 ft
 Station: 130+53.81
 Offset: 9.05 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
903.65	5.5-inch thick ASPHALT --PAVEMENT--												
902.8	10-inch thick CONCRETE --PAVEMENT--												
	Medium stiff, dark brown SILTY CLAY LOAM, trace gravel	1	6	10	0.50	16			11	8	8	2.87	12
	Loose to medium dense, brown, fine SAND, trace gravel	2	11	10	NP	7			30	12	8	2.05	11
897.3	Black ORGANIC SILT	3	5	5	NP	8			35	13	7	1.64	12
896.1	Loose, dark brown, fine SAND, trace gravel	4	2	5	NP	8			40	14	5	3.03	11
893.6	Medium dense, brown SANDY GRAVEL	5	8	13	NP	12			45	15	7	2.94	11
	Medium stiff to hard, pinkish brown LOAM to CLAY LOAM, trace gravel	7	4	8	1.23	13			50	16	6	2.30	12
888.6	Soil analysis: --L _c (%)=19, P _c (%)=11-- --%Gravel=4.2-- --%Sand=39.1--20-- --%Silt=43.5-- --%Clay=13.1--	8	10	6	0.98	12							
		9	7	7	2.21	13							
		10	4	5	2.05	11							

GENERAL NOTES

Begin Drilling: 12-23-2014 Complete Drilling: 12-23-2014
 Drilling Contractor: Wang Testing Services Drill Rig: D-50 TMR
 Driller: R&J Logger: S. Woods Checked by: C. Marin
 Drilling Method: 2.25" IDA HSA to 10'; mud rotary thereafter; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 10.50 ft
 At Completion of Drilling: 11.00 ft
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG CB-02

WEI Job No.: 491-01-04
 Client: **Accurate Group, Inc.**
 Project: **IL Route 72 over Tyler Creek**
 Location: **Pingree Grove, Illinois**

Datum: NGVD
 Elevation: 904.08 ft
 North: 1977003.52 ft
 East: 962466.09 ft
 Station: 130+53.81
 Offset: 9.05 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	Hard Drilling - Possible Cobbles												
		55	17	15	2.50	13			80	22	9	3.36	11
		60	18	10	2.21	14			85	23	9	4.10	10
		65	19	9	2.05	13			90	24	8	3.53	8
		70	20	15	2.71	13			95				
		75	21	9	2.00	15			100				

GENERAL NOTES

Begin Drilling: 12-23-2014 Complete Drilling: 12-23-2014
 Drilling Contractor: Wang Testing Services Drill Rig: D-50 TMR
 Driller: R&J Logger: S. Woods Checked by: C. Marin
 Drilling Method: 2.25" IDA HSA to 10'; mud rotary thereafter; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 10.50 ft
 At Completion of Drilling: 11.00 ft
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG SC-01

WEI Job No.: 491-01-04
 Client: **Accurate Group, Inc.**
 Project: **IL Route 72 over Tyler Creek**
 Location: **Pingree Grove, Illinois**

Datum: NGVD
 Elevation: 890.98 ft
 North: 1977011.99 ft
 East: 962426.83 ft
 Station: 130+23.80
 Offset: 35.74 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	Stream Bed - Brown and gray SAND to SANDY LOAM, little gravel												
	Saturated - %Gravel=27.0 - %Sand=44.3 - %Silt=23.2 - %Clay=5.6	1			NP	12			10				
		2			NP	10			11				
		3			NP	11							
885.0	Boring terminated at 6.00 ft												

GENERAL NOTES

Begin Drilling: 12-30-2014 Complete Drilling: 12-30-2014
 Drilling Contractor: Wang Testing Services Drill Rig: GEOPROBE
 Driller: R&J Logger: S. Woods Checked by: C. Marin
 Drilling Method: 3.25" IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 0.5 ft above streambed
 At Completion of Drilling: 0.5 ft above streambed
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME = G:\Engineering\LiveProjects\3003 IDOT DUFV\3003ch - W 8 (W) I\Contract No. 62A41\CADD\CADD Sheets\Structural\045-0279-62A41-09-Boring_Log_IL.dgn



USER NAME = pprathapan
 PLOT SCALE = 0.2" = 1' / in.
 PLOT DATE = 11/21/2016

DESIGNED - SAT
 CHECKED - JMT
 DRAWN - JN
 CHECKED - JMT

REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - II
 STRUCTURE NO. 045-0279

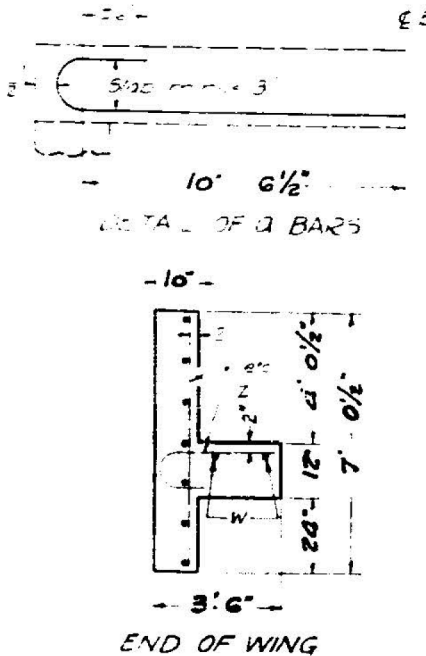
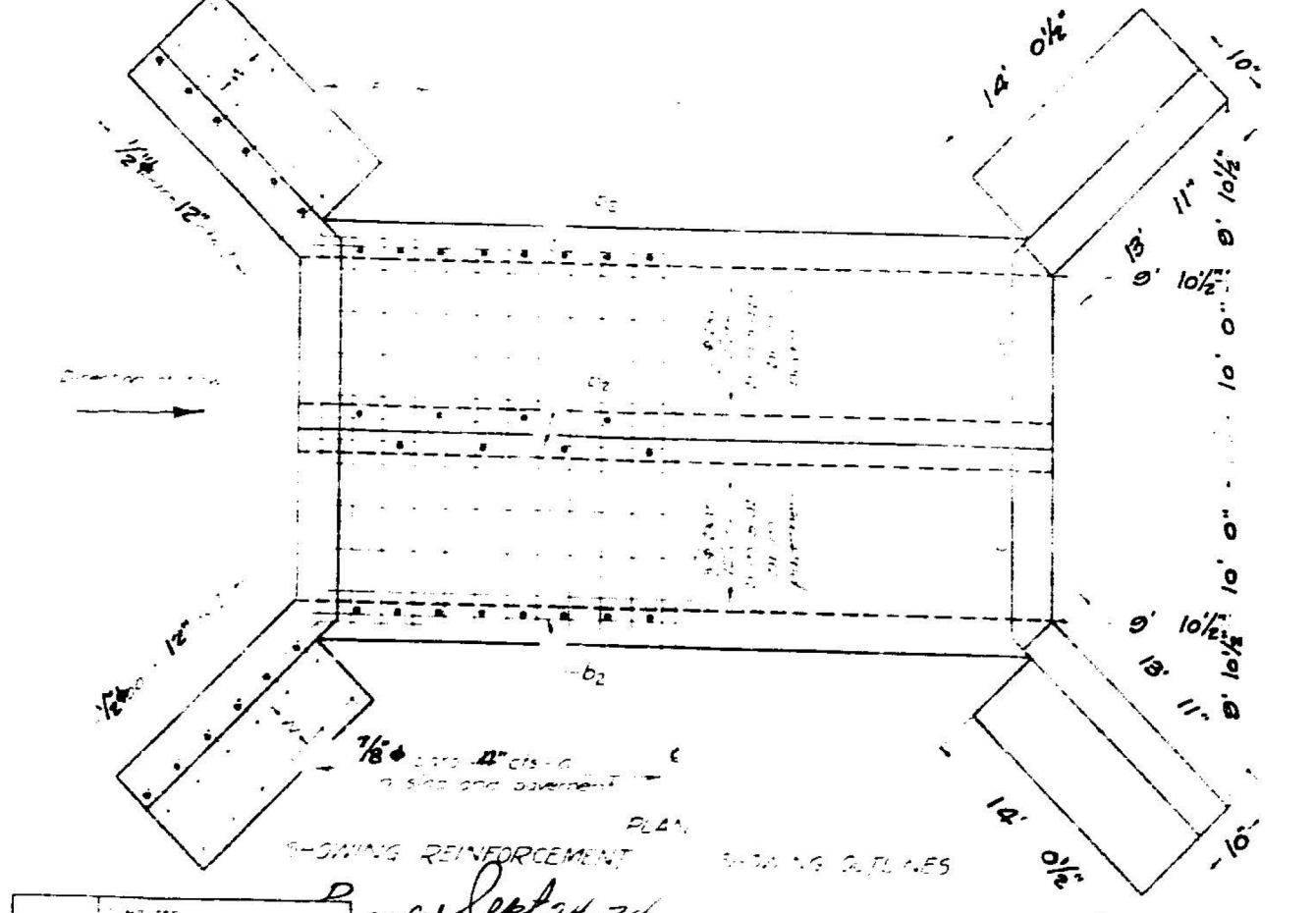
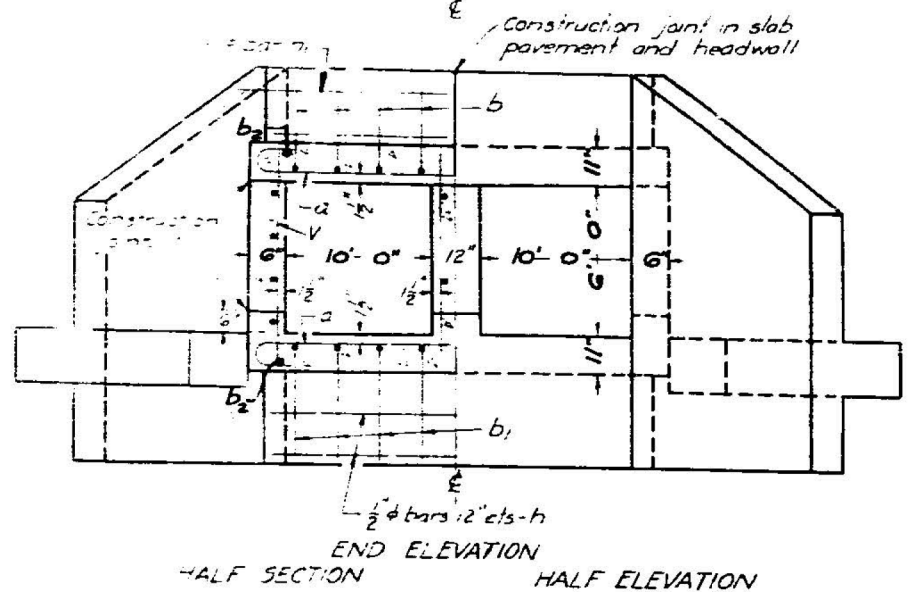
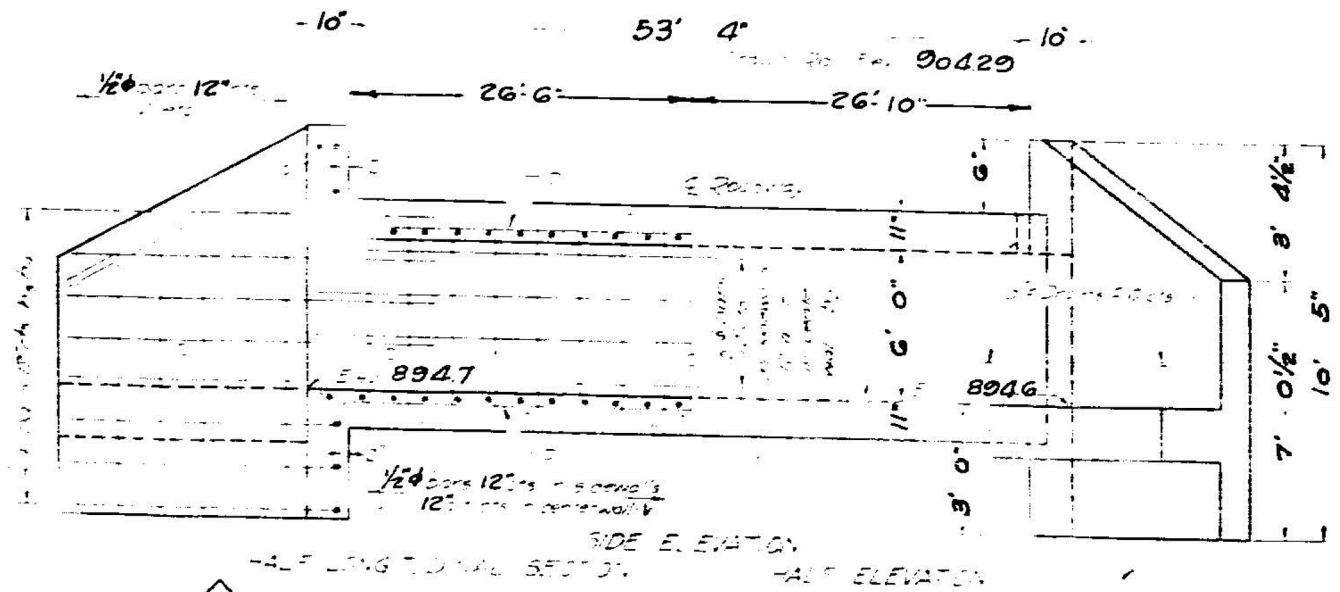
SHEET NO. 9 OF 10 SHEETS

F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	42
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

Slope 3 to 1

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

State Aid - ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / SHEETS
31	109 NRS	Kane	46	41	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 250 A-NRS					



BILL OF MATERIAL

Bars	Number	Size	Length
a	330	7/8"	24'-0"
b	60	1/2"	19'-6"
b1	60	1/2"	21'-0"
b2	66	1/2"	19'-6"
h	4	1/2"	21'-6"
h1	12	1/2"	18'-0"
h2	4/5	1/2"	10'-6"/15'-0"
h3	4	1/2"	7'-0"
h4	28	1/2"	15'-6"
v	152	1/2"	7'-6"
v1	12	1/2"	7'-0"
w	8	1/2"	7'-6"
x1/x4	8/8	1/2"	8'-0"/8'-6"
x2/x4	8/12	1/2"	8'-0"/6'-6"
w	8	1/2"	18'-6"
z	56	1/2"	4'-0"

Class X Concrete - Cu. Yds. 130.9
Reinforcing Steel - Lbs. 20,580

DESIGNED - SAT
CHECKED - JMT
DRAWN - JN
APPROVED - JMT

DATE: 11/21/2016

DESIGNED BY: J. H. Burch
CHECKED BY: J. H. Burch
DRAWN BY: J. H. Burch
APPROVED BY: J. H. Burch

Class X concrete and use with reinforcement. All reinforcing steel shall be placed before concrete is poured.

SPECIAL CULVERT DESIGN
STA. 132+26
F.A. PROJECT No. 250
KANE CO
S.A. Route 31 Sec 109 NRS
Standard 1347

FILE NAME = G:\Engineering\Live\Projects\13003 IDOT DURV\3003h - W 8 IWO IJ Contract No. 62A41\CADD\CADD Sheets\Structural\045-0279-62A41-10-Ex Culvert Info Only.dgn

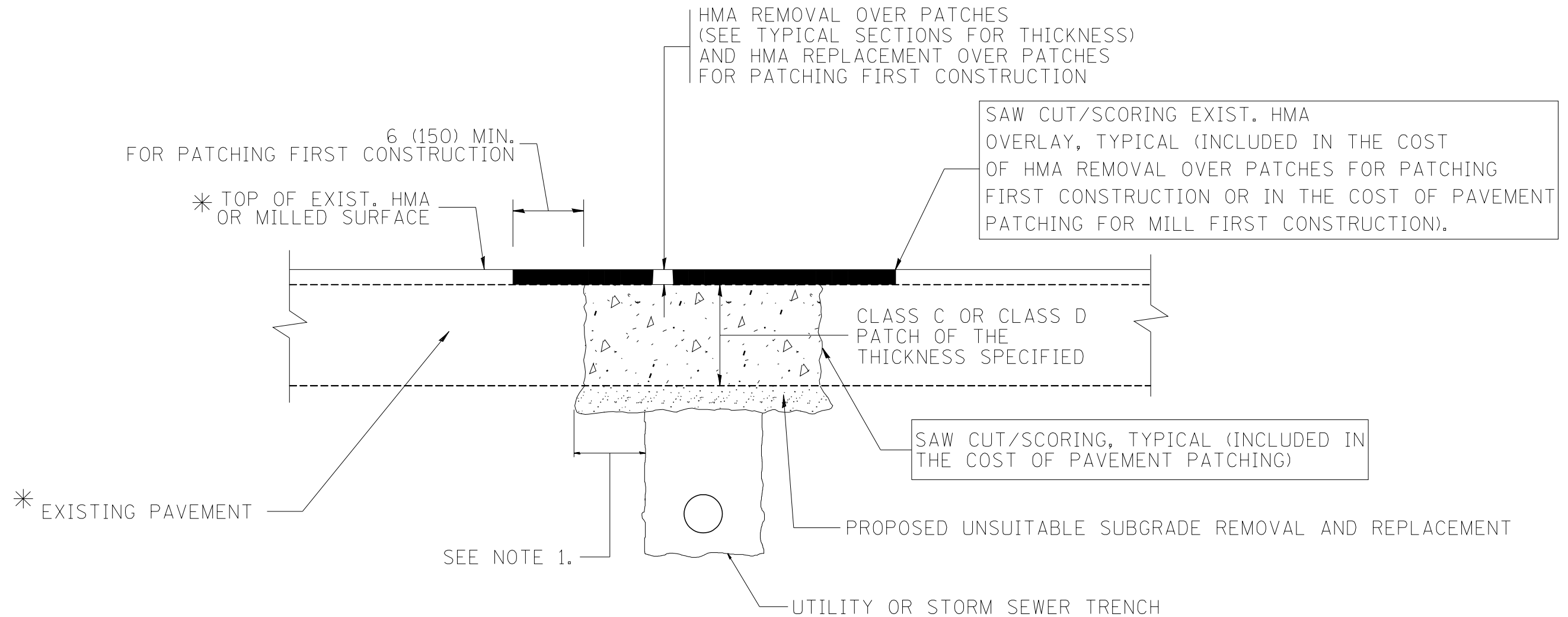


USER NAME = pprathapan	DESIGNED - SAT	REVISED
PLOT SCALE = 0.2" = 1' / in.	CHECKED - JMT	REVISED
PLOT DATE = 11/21/2016	DRAWN - JN	REVISED
	CHECKED - JMT	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE (FOR INFORMATION ONLY)
STRUCTURE NO. 045-0279
SHEET NO. 10 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	43
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

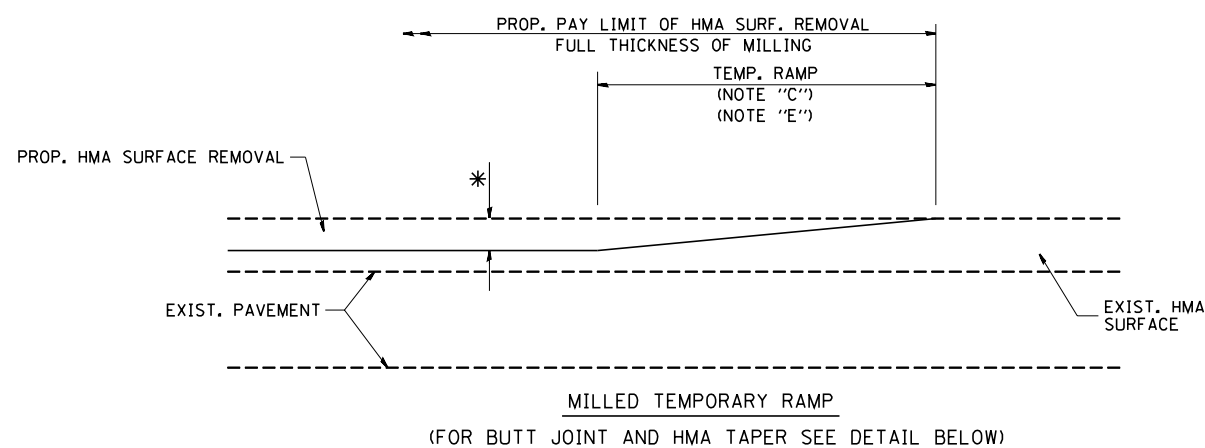
FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

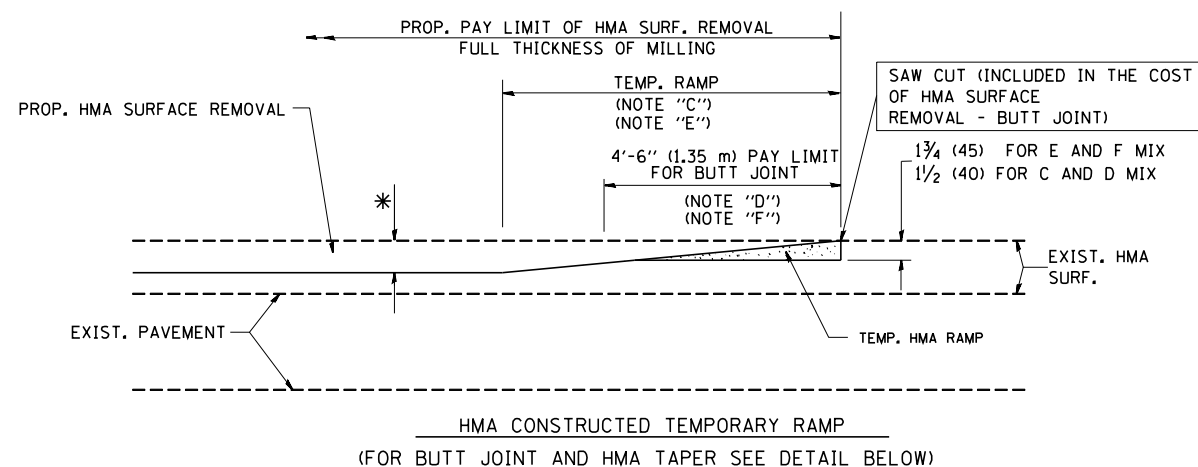
**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	44
BD400-04 (BD-22)			CONTRACT NO. 62A41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

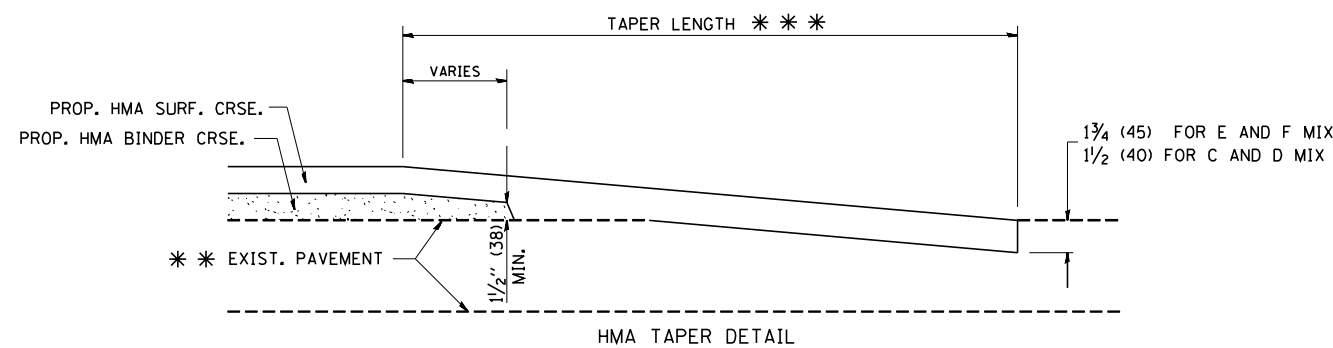
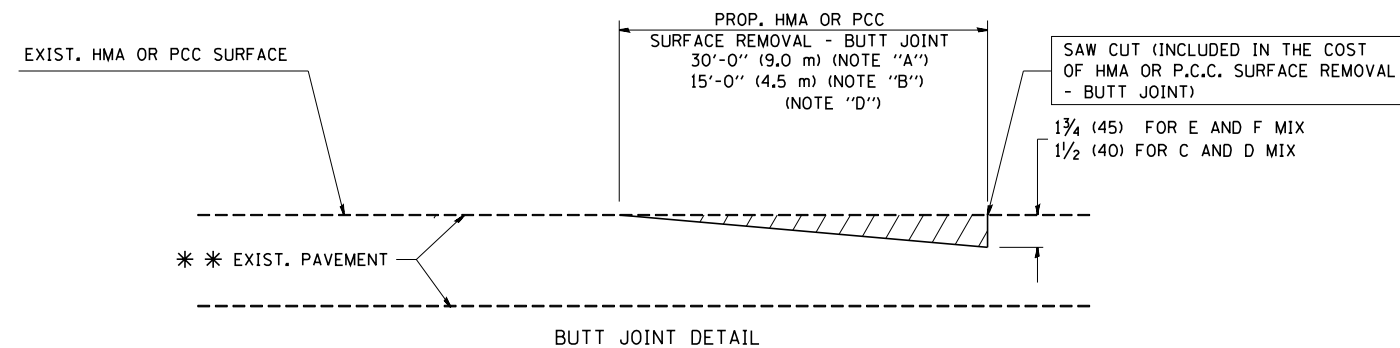


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

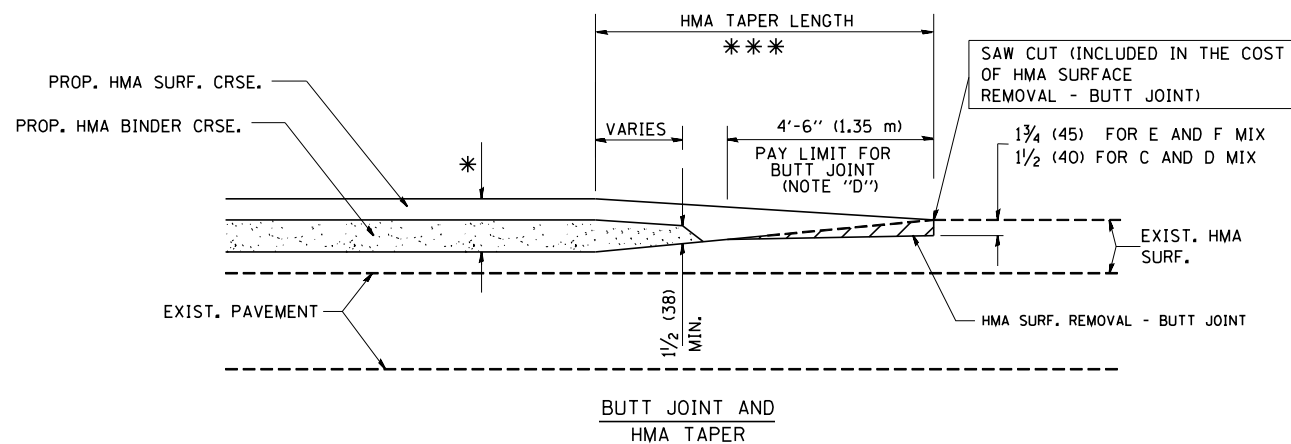
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

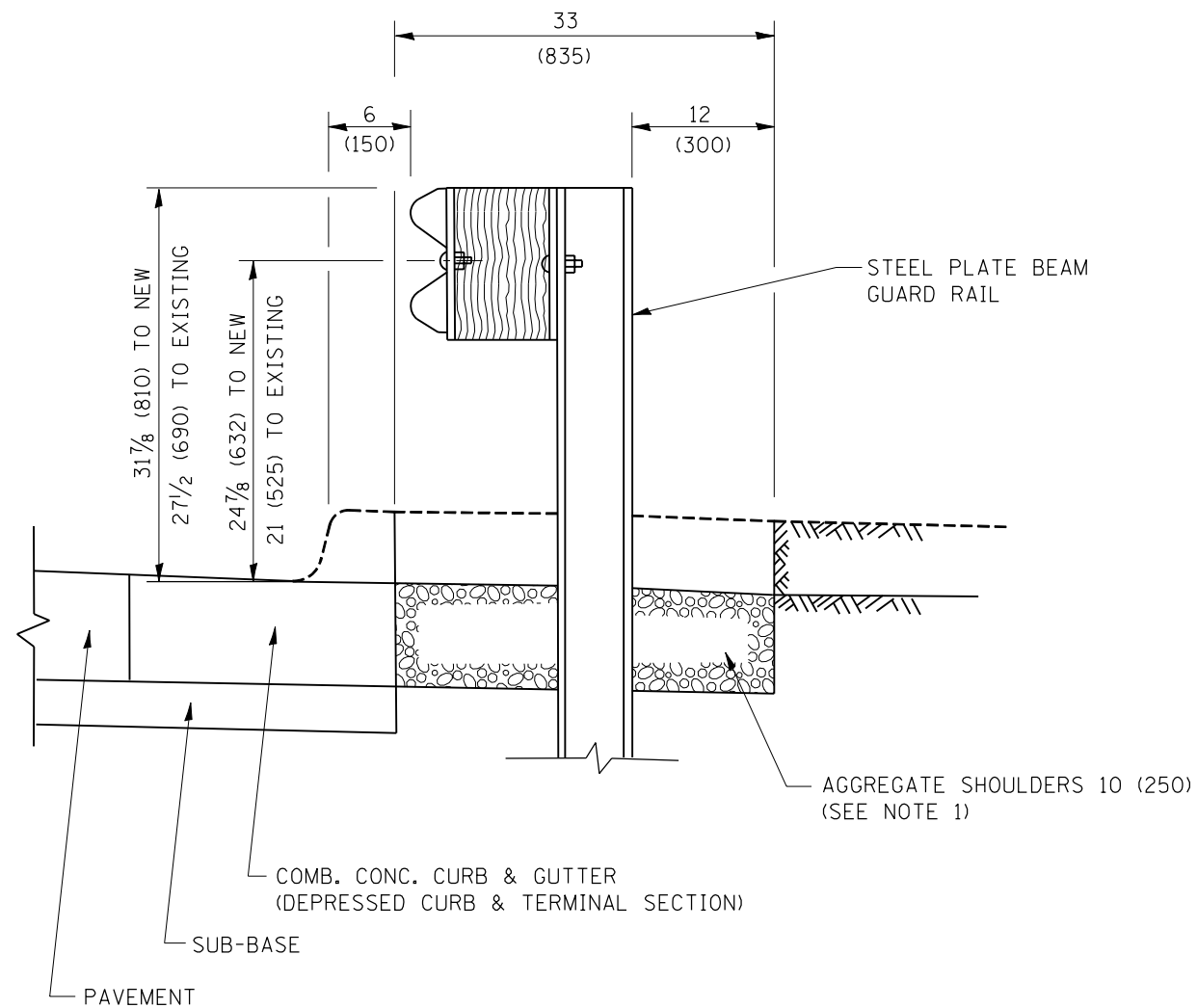
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

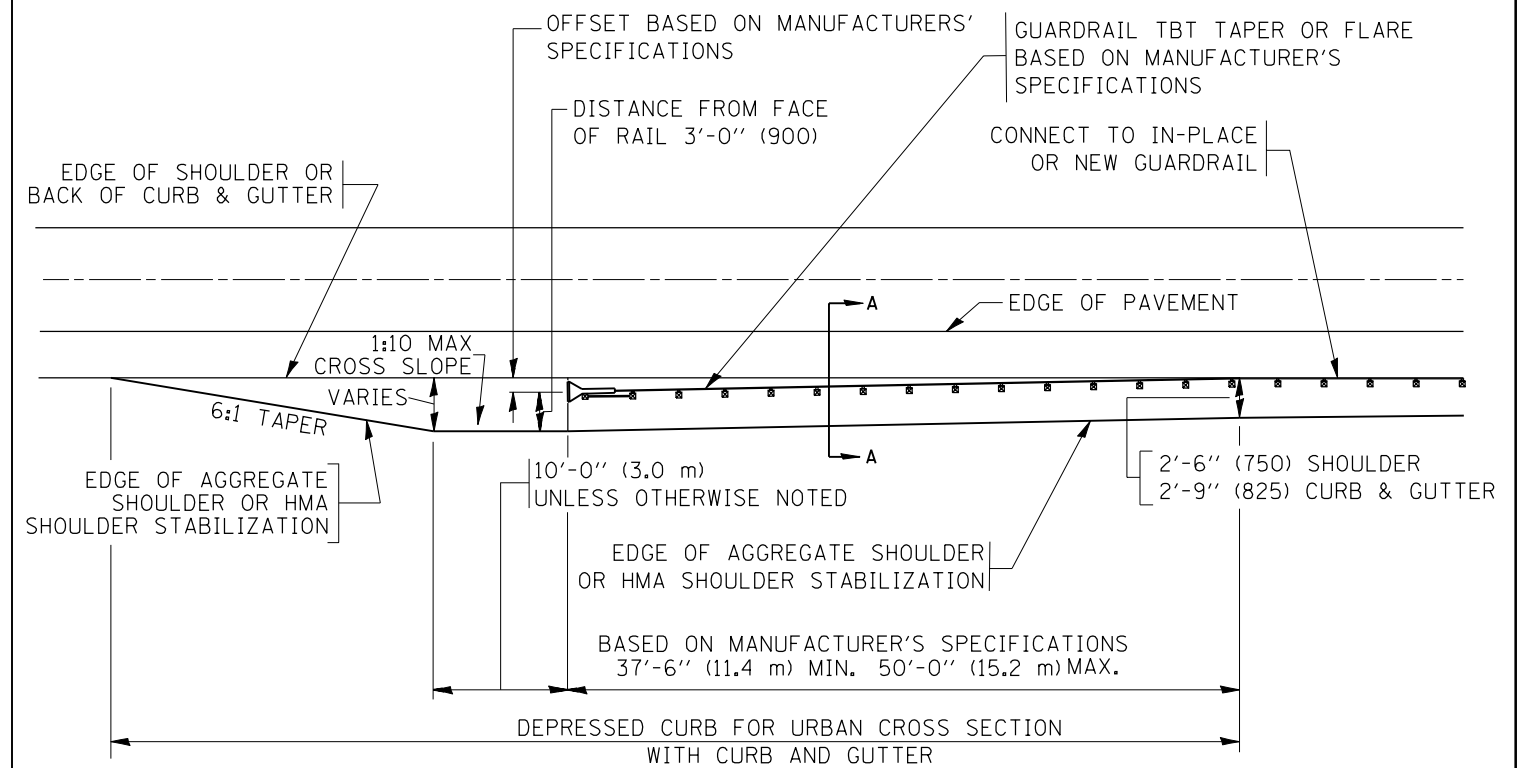
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	45
BD400-05 BD32		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

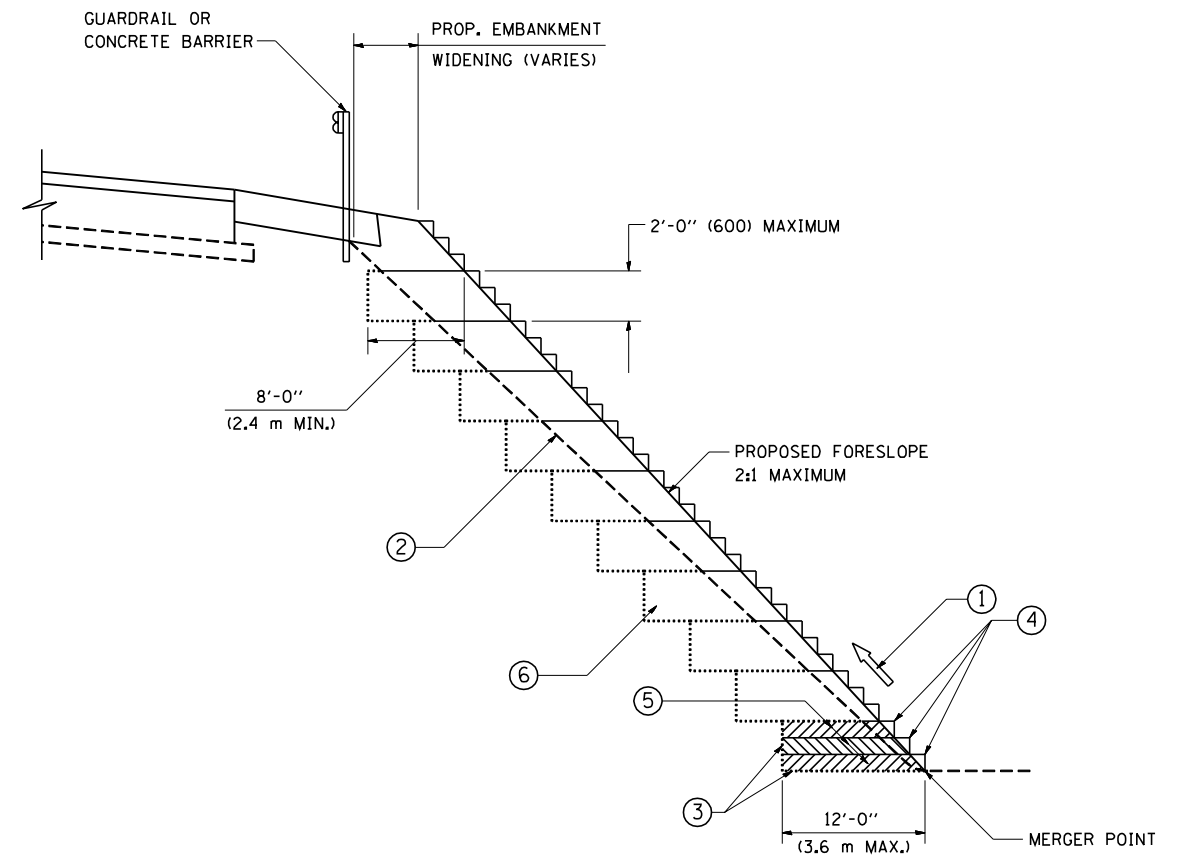
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	PLOT DATE = 12/21/2015	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 0341	SECTION 2014-089B-R	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 46
BD600-10 (BD 34)		CONTRACT NO. 62A41		
ILLINOIS FED. AID PROJECT				



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

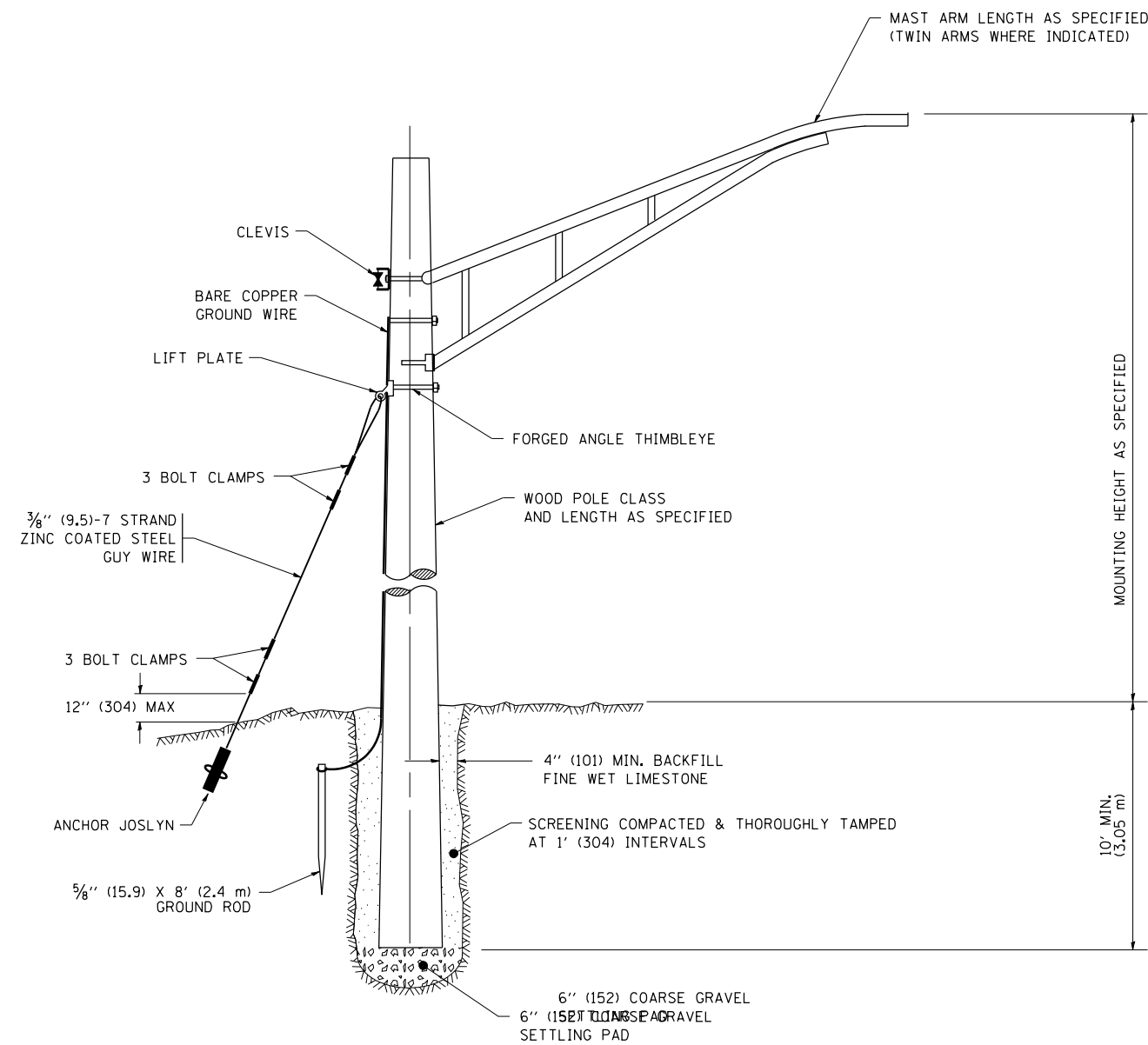
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
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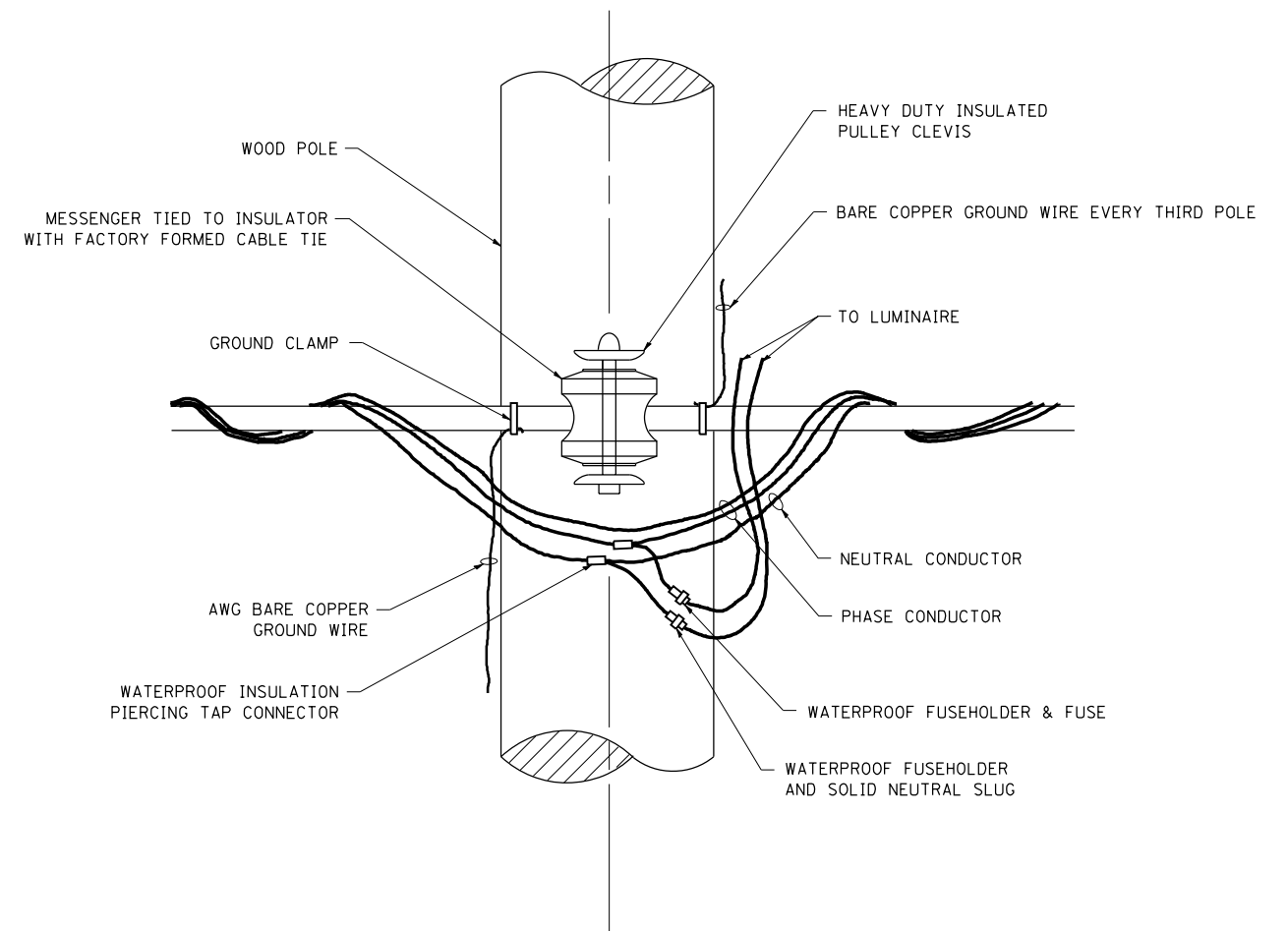
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	47
BD-51		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

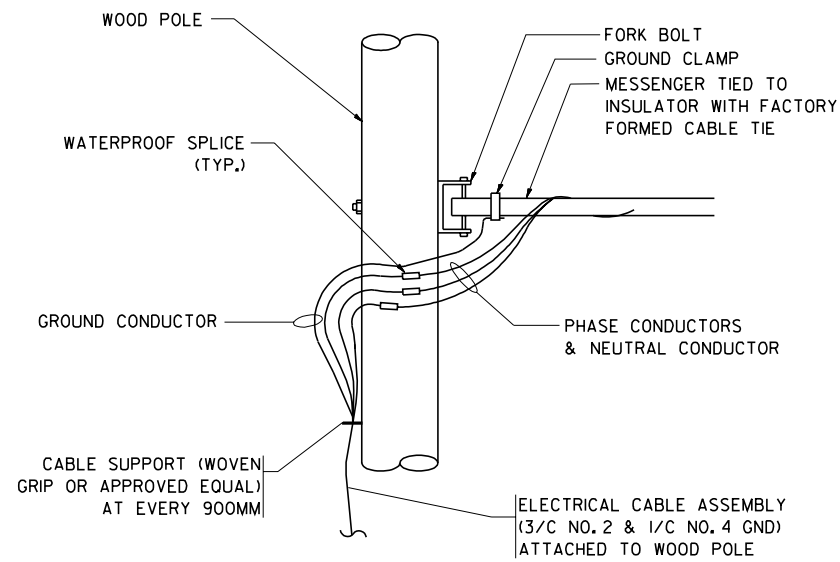
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

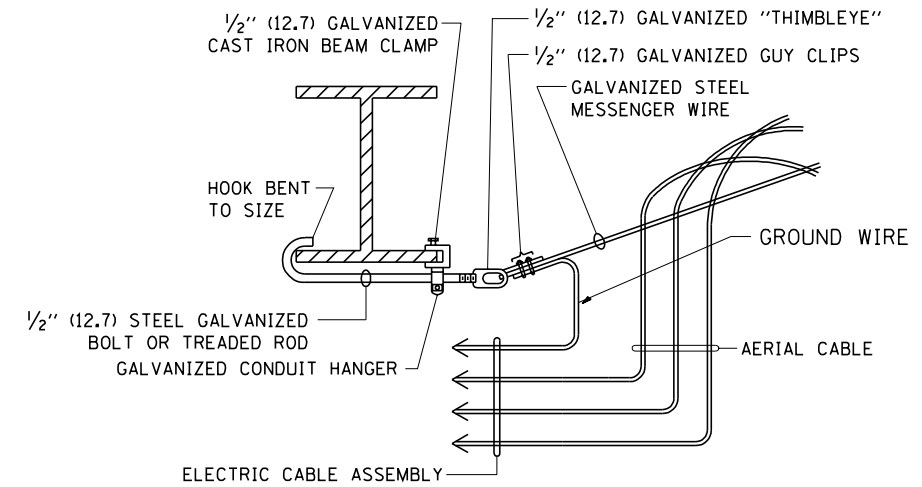
TEMPORARY LIGHT POLE DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	48
BE-800		CONTRACT NO. 62A41		
ILLINOIS FED. AID PROJECT				



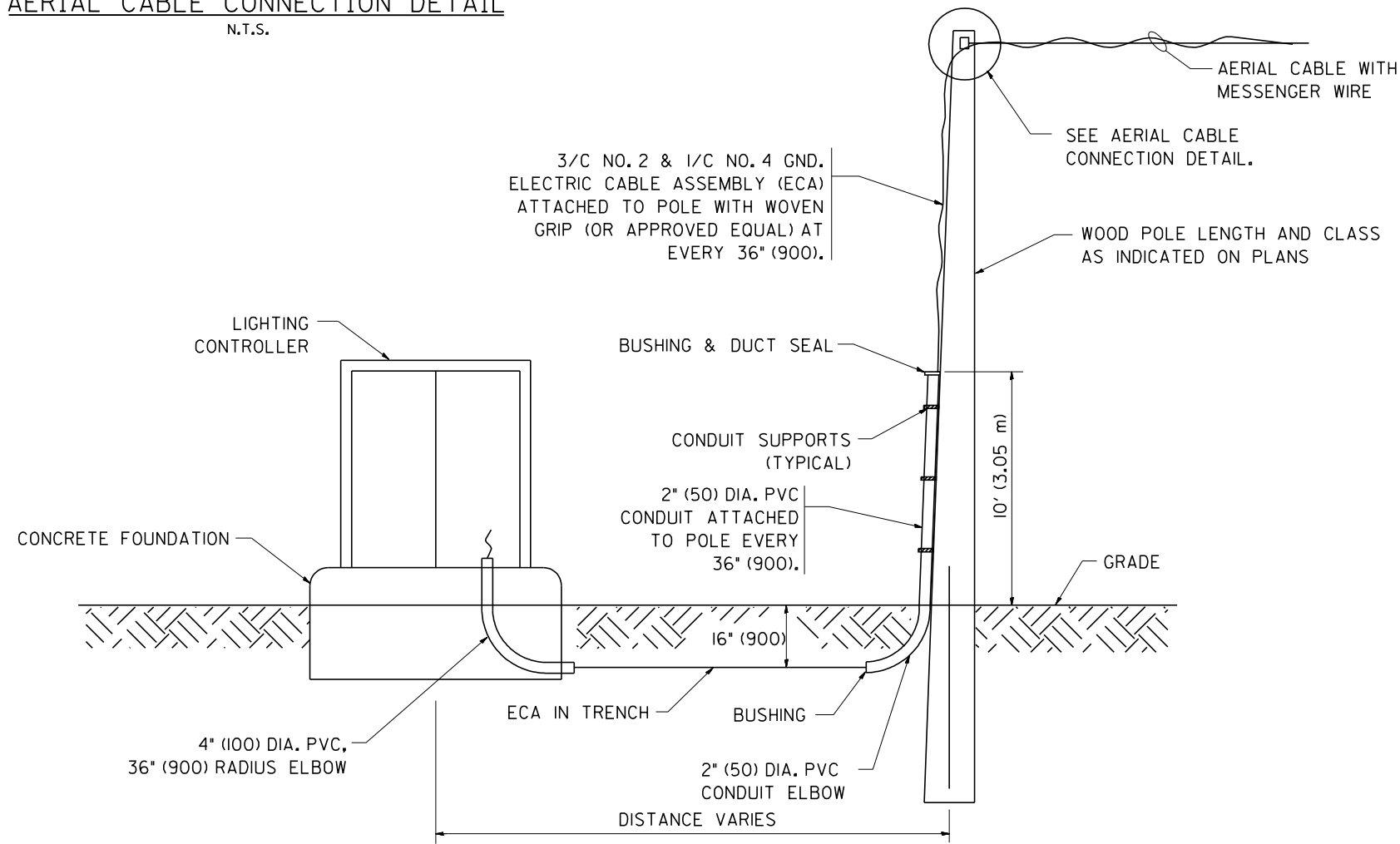
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

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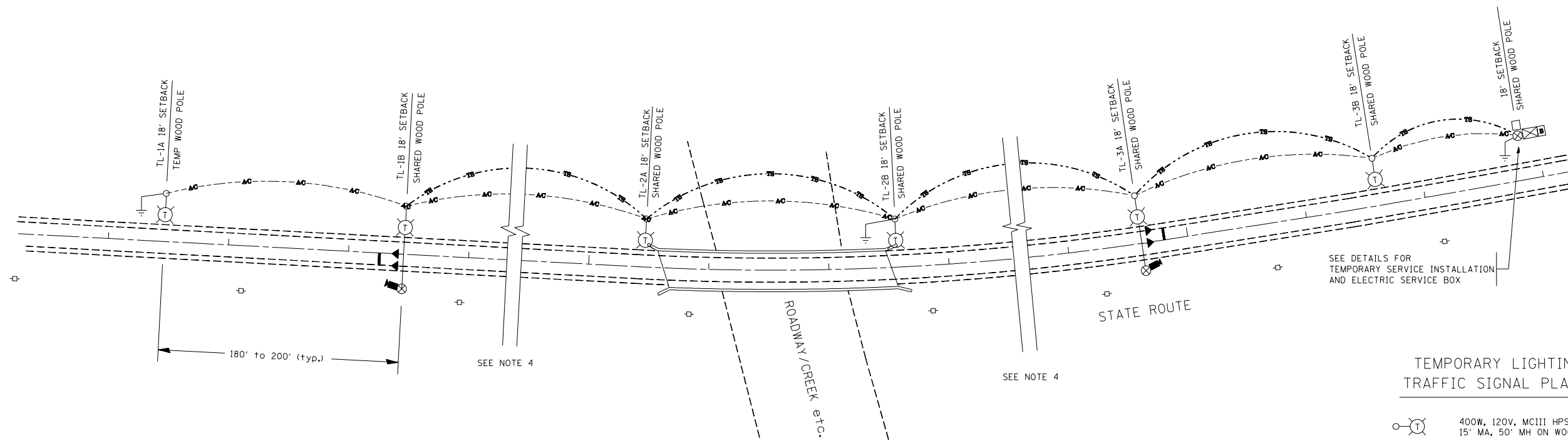
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY AERIAL CABLE INSTALLATION

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 0341	SECTION 2014-089B-R	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 49
BE-001		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



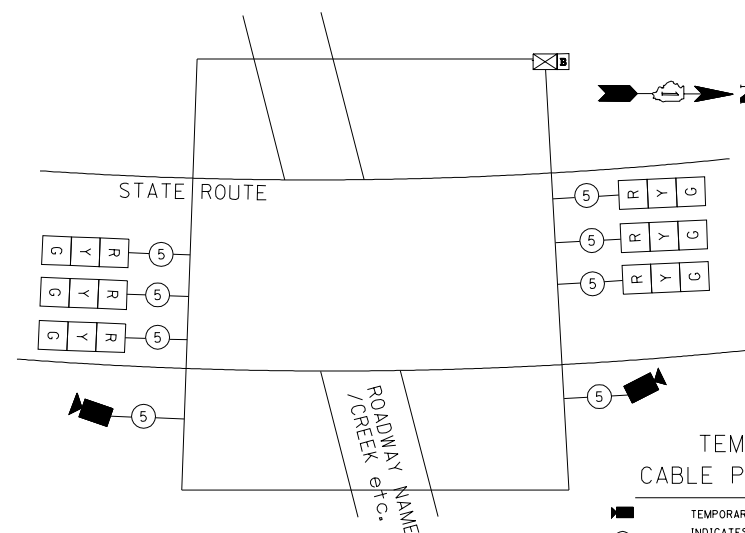
TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS
NOT TO SCALE

GENERAL NOTES:

- CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET, THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 750-WATT TYPE III HIGH PRESSURE SODIUM HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
- THE LAYOUT OF THE TEMPORARY EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE. THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE ANY POLES ARE PLACED
- THE ELECTRIC SERVICE SHALL BE 240/120V. WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE. DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED
- THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS.
- THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
- EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.

TEMPORARY LIGHTING AND TRAFFIC SIGNAL PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/2" x 2", AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.
- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY VIDEO DETECTOR



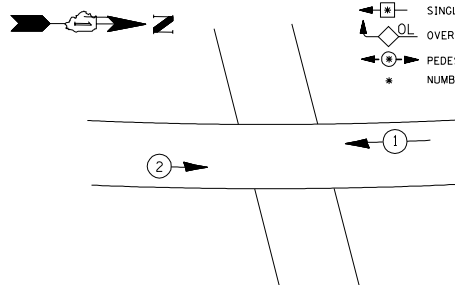
TEMPORARY CABLE PLAN (TYPICAL)
NOT TO SCALE

TEMPORARY CABLE PLAN LEGEND

- TEMPORARY VIDEO DETECTOR
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)

TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



TEMPORARY PHASE DESIGNATION DIAGRAM (TYPICAL)
NOT TO SCALE

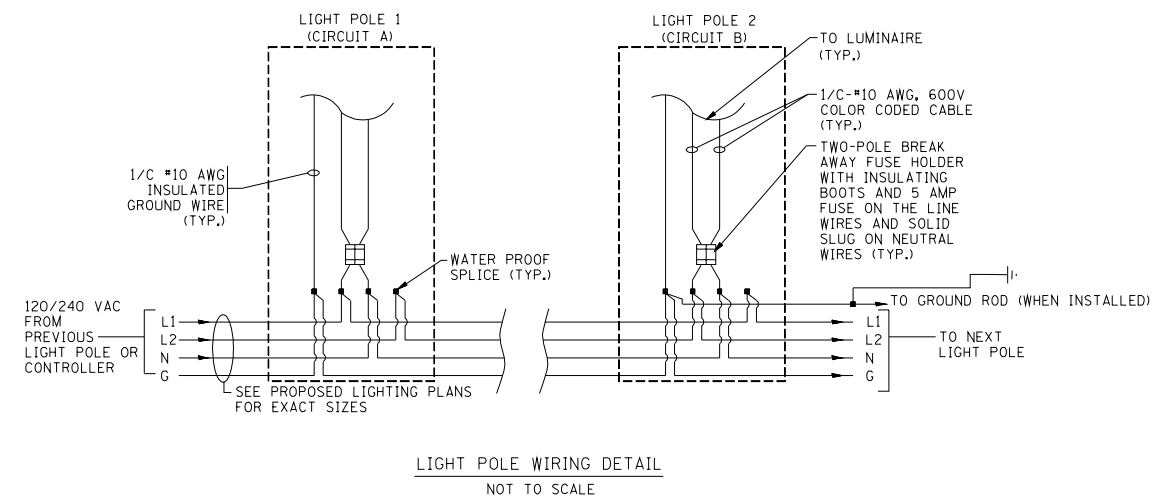
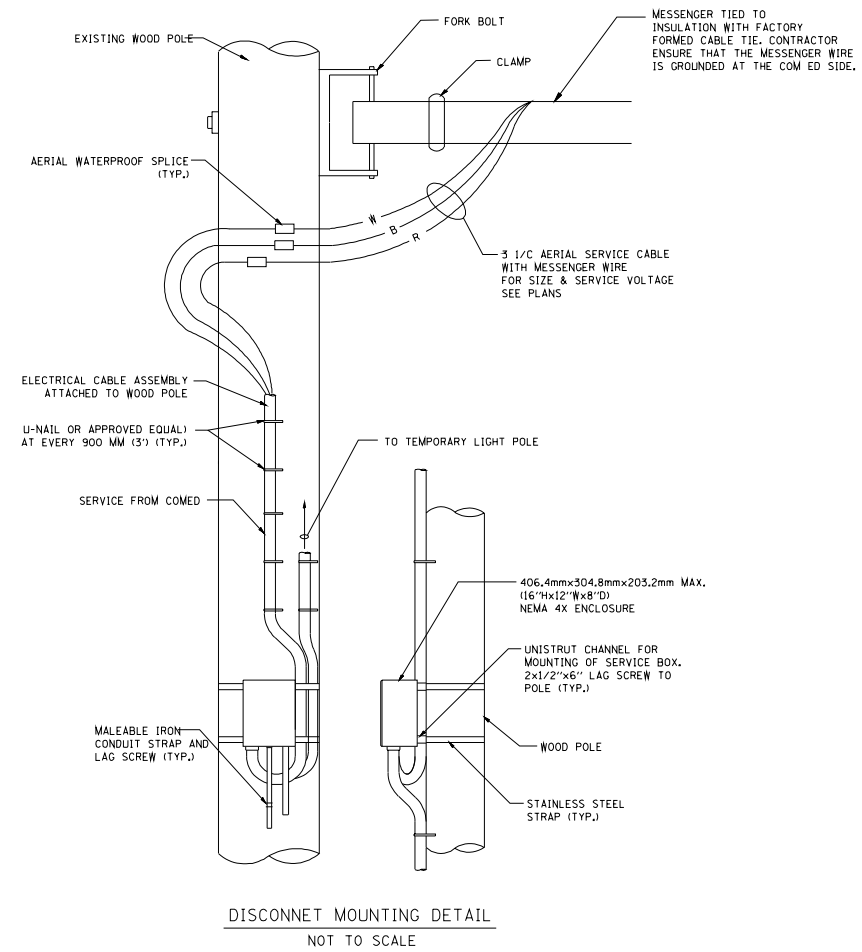
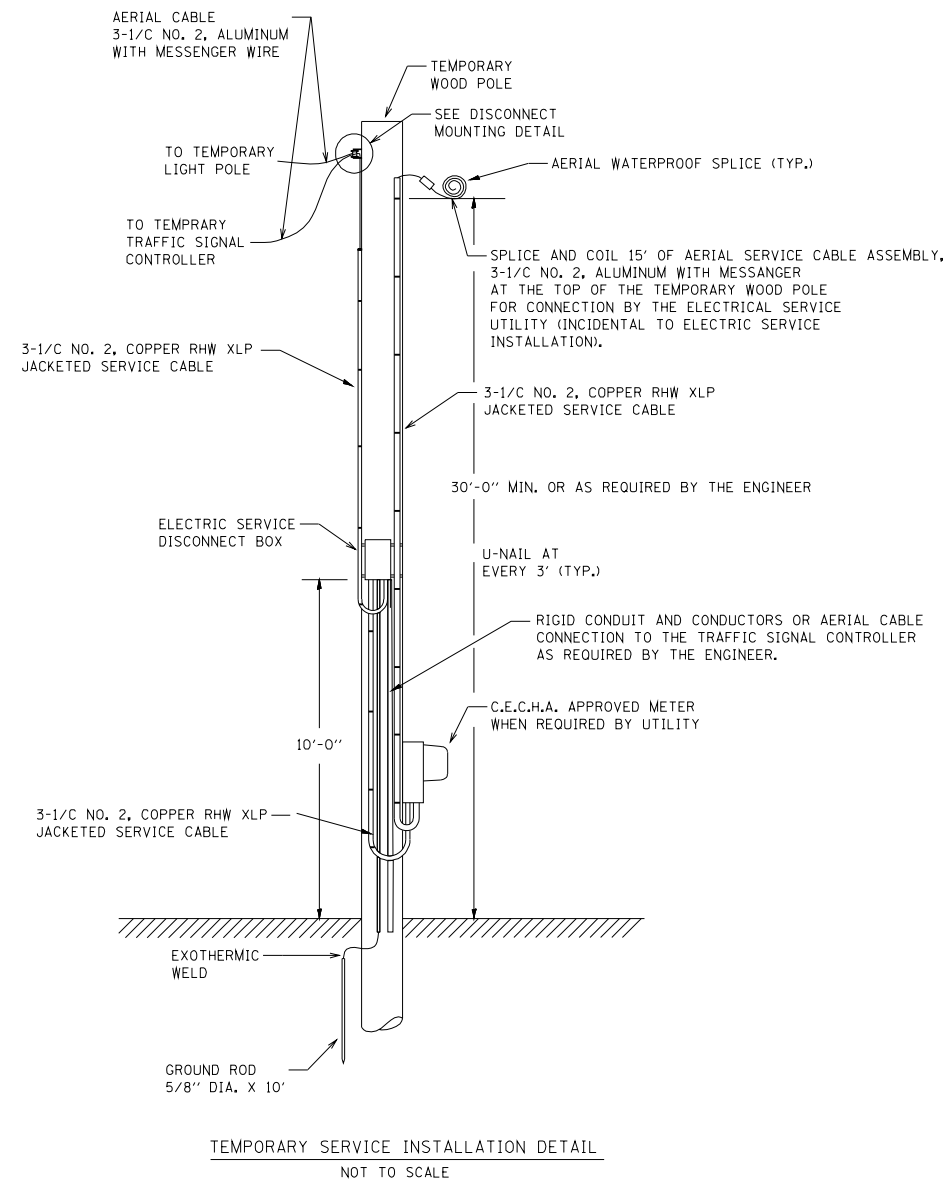
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	50
BE-805		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



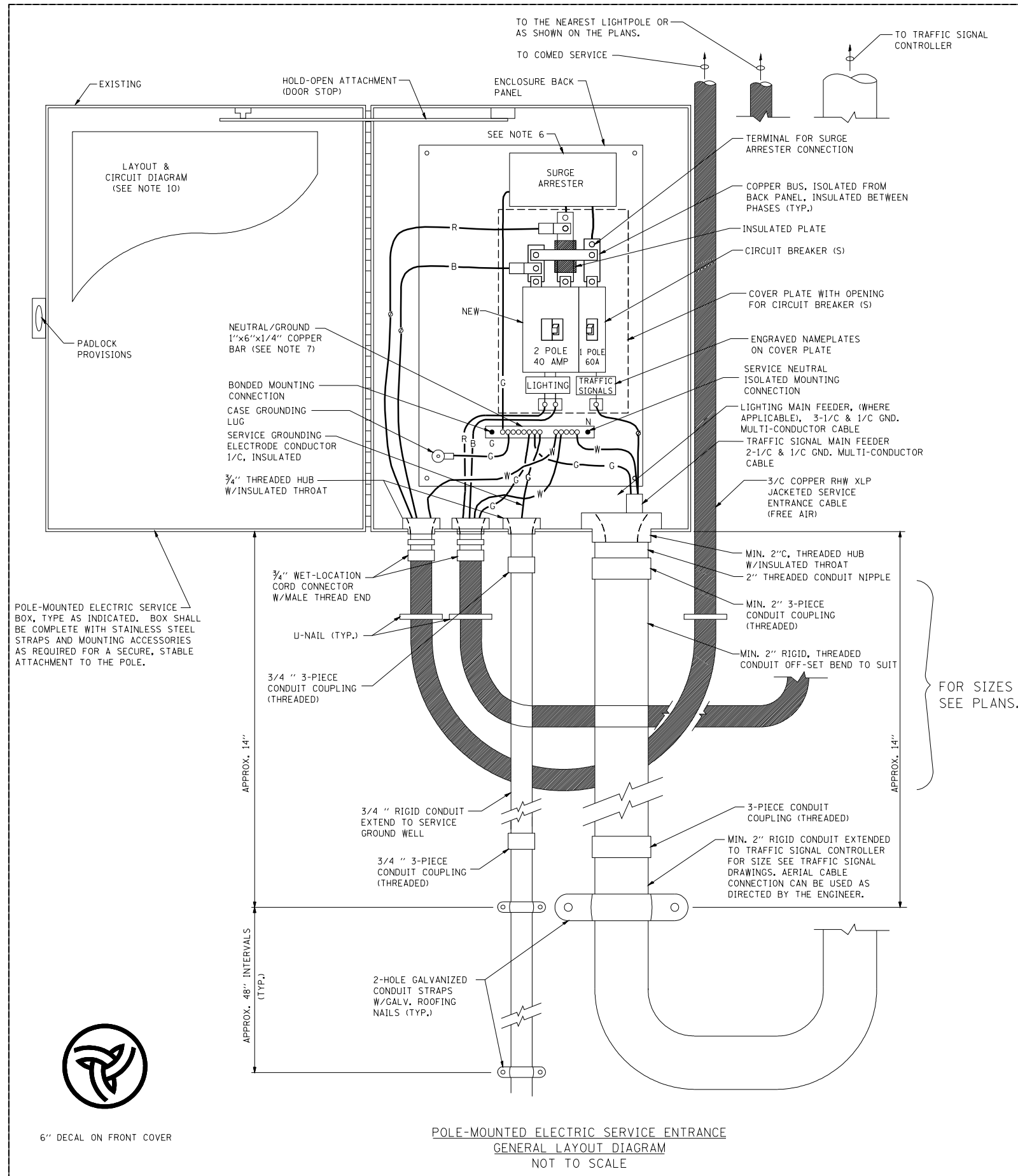
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PLOT DATE = 1/14/2010		DATE - 01/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

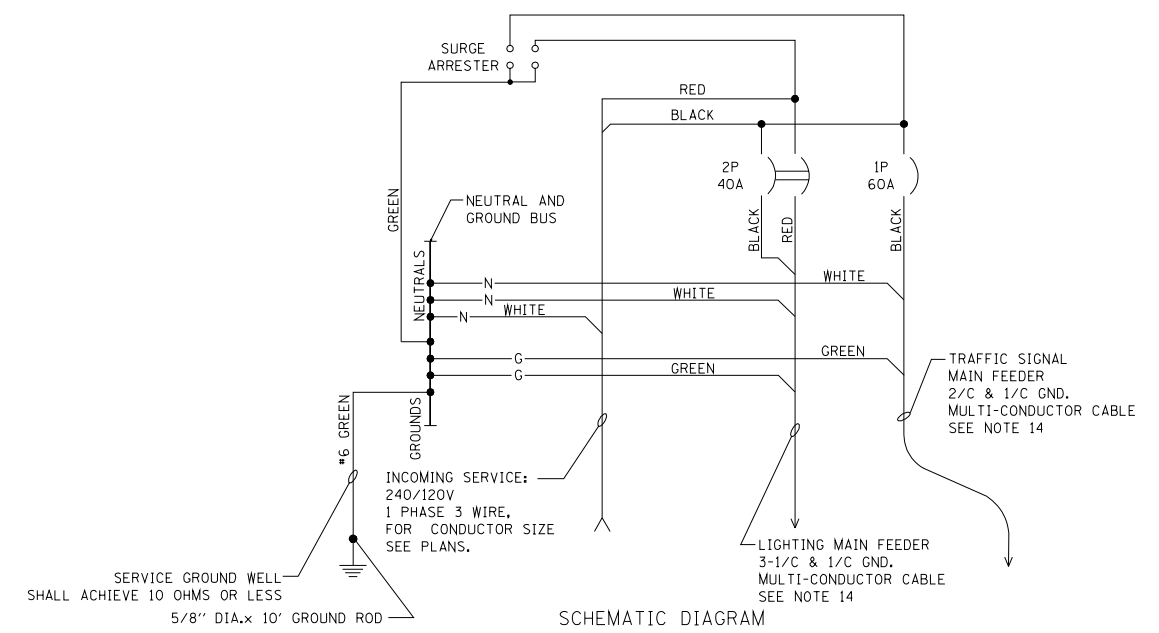
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	151
BE-805		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER AND TRAFFIC SIGNALS MAIN BREAKER AS REQUIRED.
- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H120856LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
- THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CM0V230L065XST OR APPROVED EQUAL.
- BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



POLE-MOUNTED ELECTRIC SERVICE BOX, TYPE AS INDICATED. BOX SHALL BE COMPLETE WITH STAINLESS STEEL STRAPS AND MOUNTING ACCESSORIES AS REQUIRED FOR A SECURE, STABLE ATTACHMENT TO THE POLE.

FOR SIZES SEE PLANS.

POLE-MOUNTED ELECTRIC SERVICE ENTRANCE
GENERAL LAYOUT DIAGRAM
NOT TO SCALE

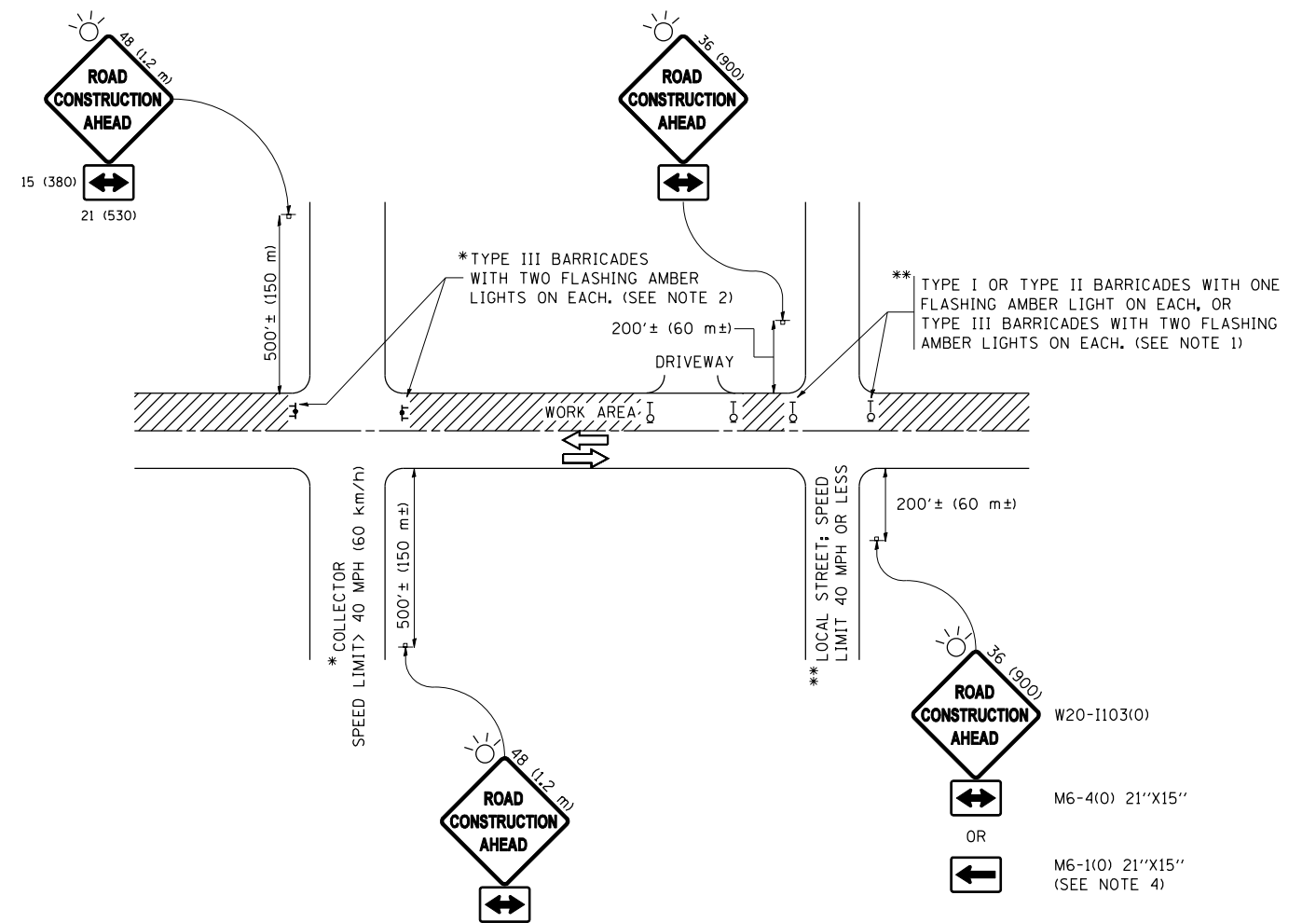
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	52
BE-805		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

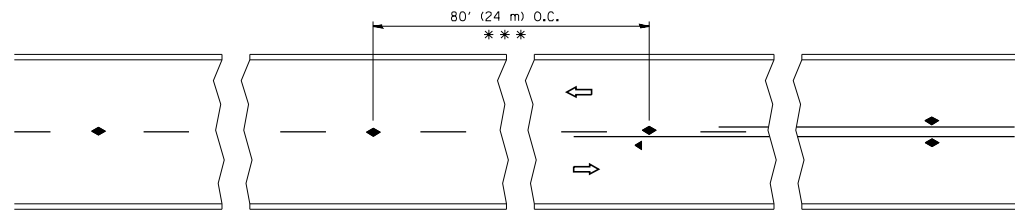
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

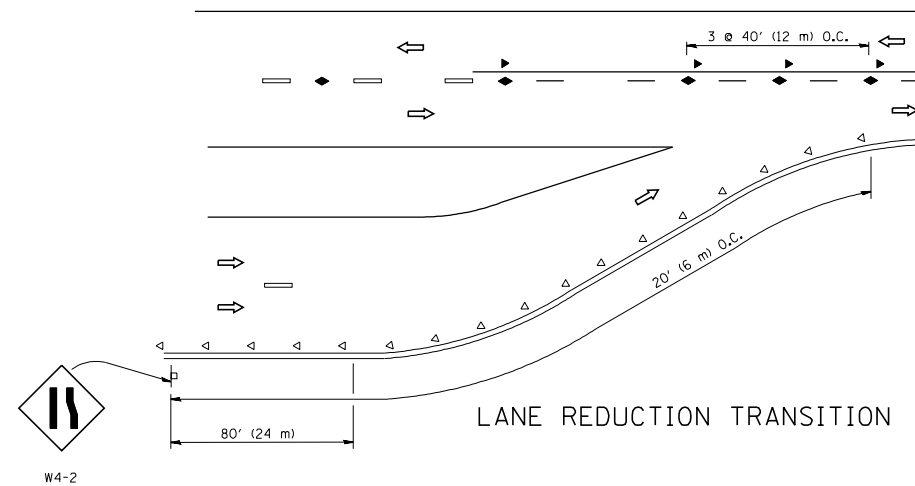
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	53
TC-10		CONTRACT NO. 62A41		
ILLINOIS FED. AID PROJECT				

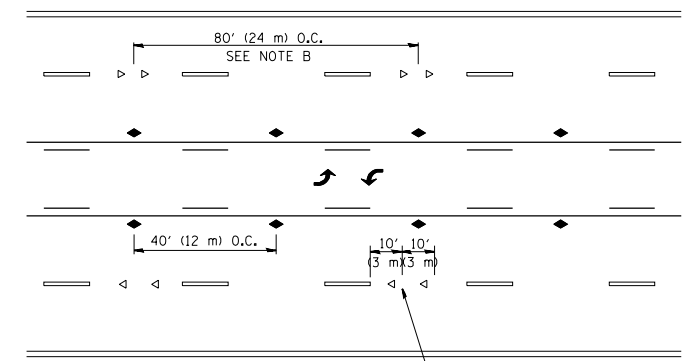


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

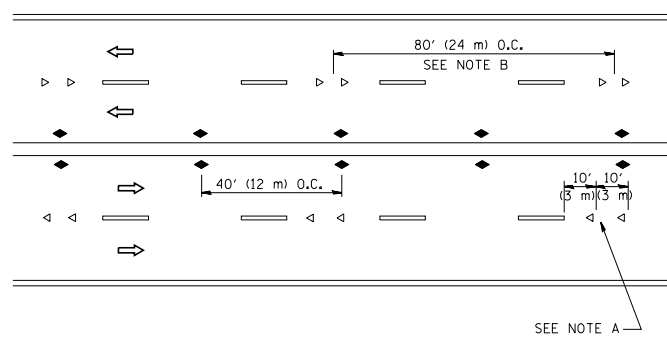
TWO-LANE/TWO-WAY



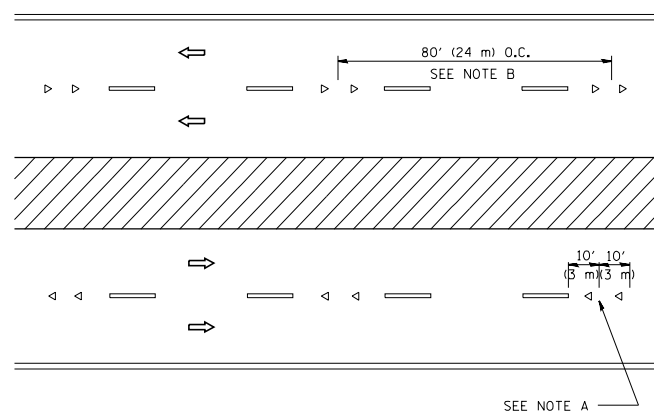
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

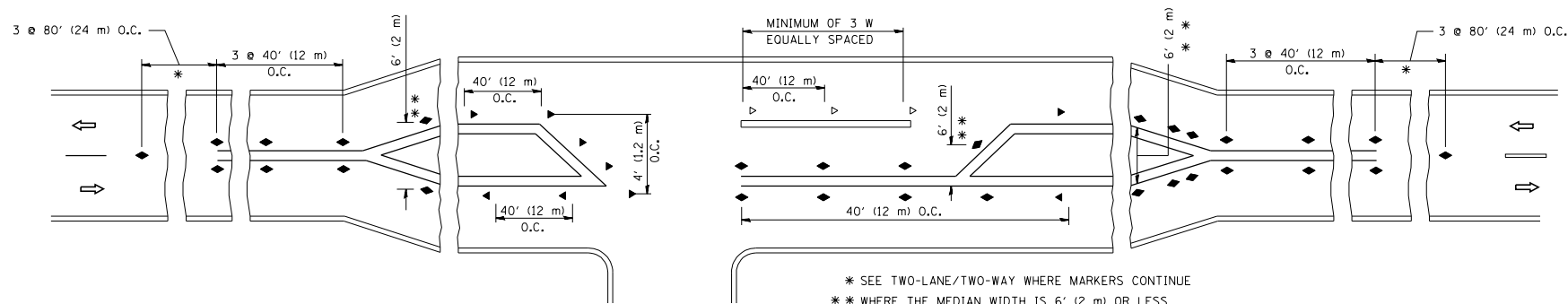
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

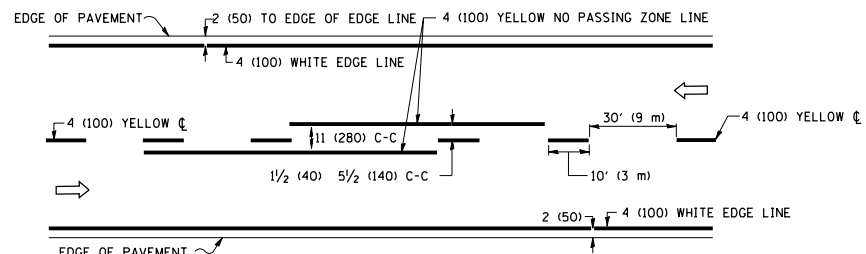


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

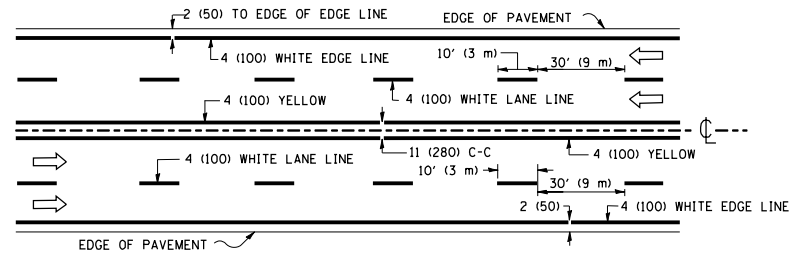
LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

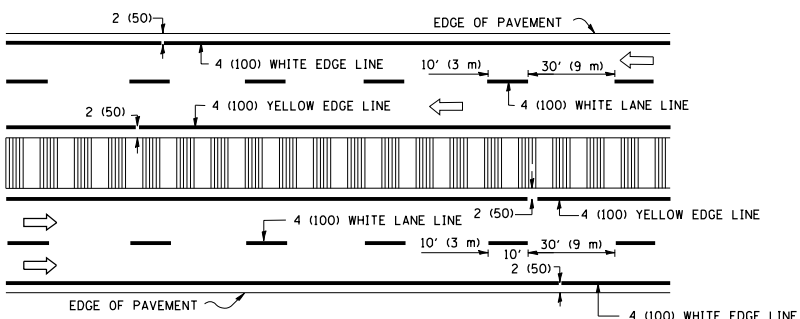
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PLOT SCALE = 50.000' / IN.	CHECKED -	DATE -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-11		CONTRACT NO. 62A41		
PLOT DATE = 3/2/2011							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



2-LANE ROADWAY

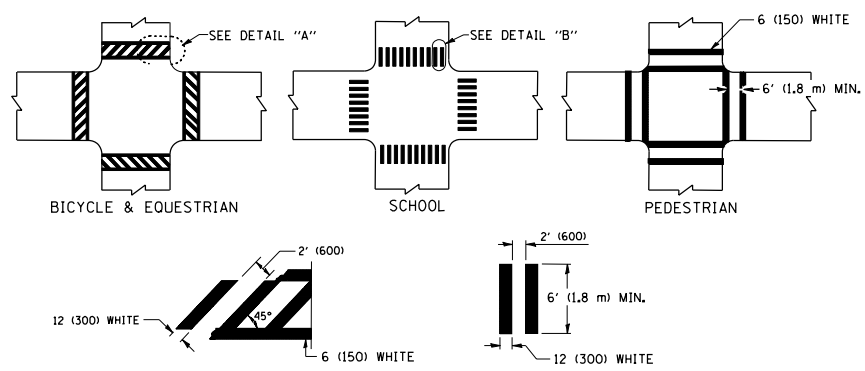


MULTI-LANE UNDIVIDED



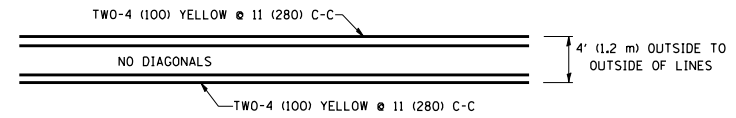
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

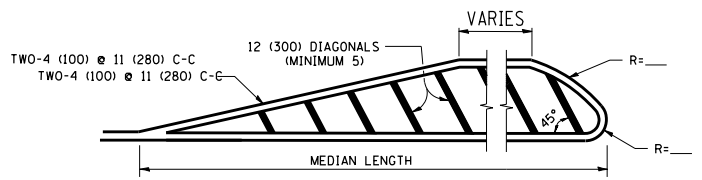


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

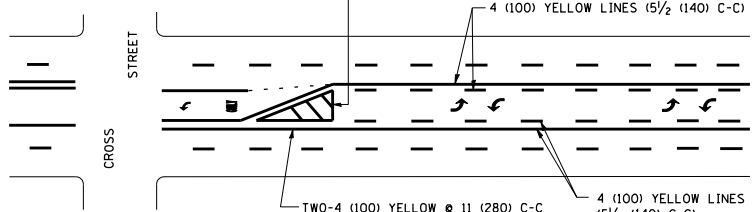


4' (1.2 m) WIDE MEDIANS ONLY

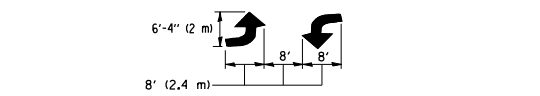


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



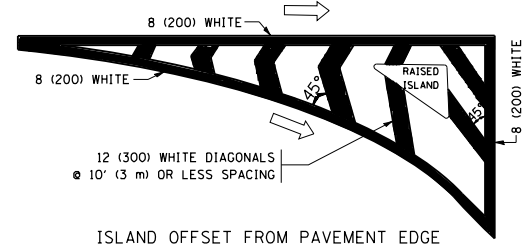
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



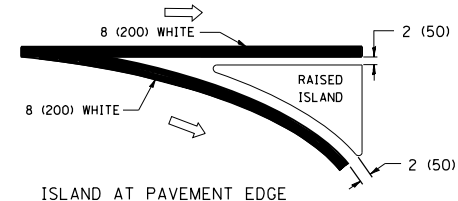
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

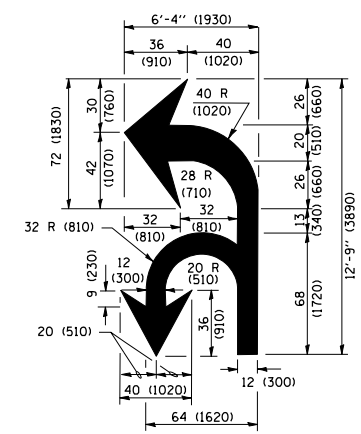


ISLAND OFFSET FROM PAVEMENT EDGE

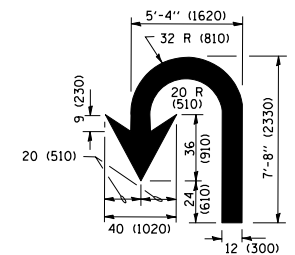


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

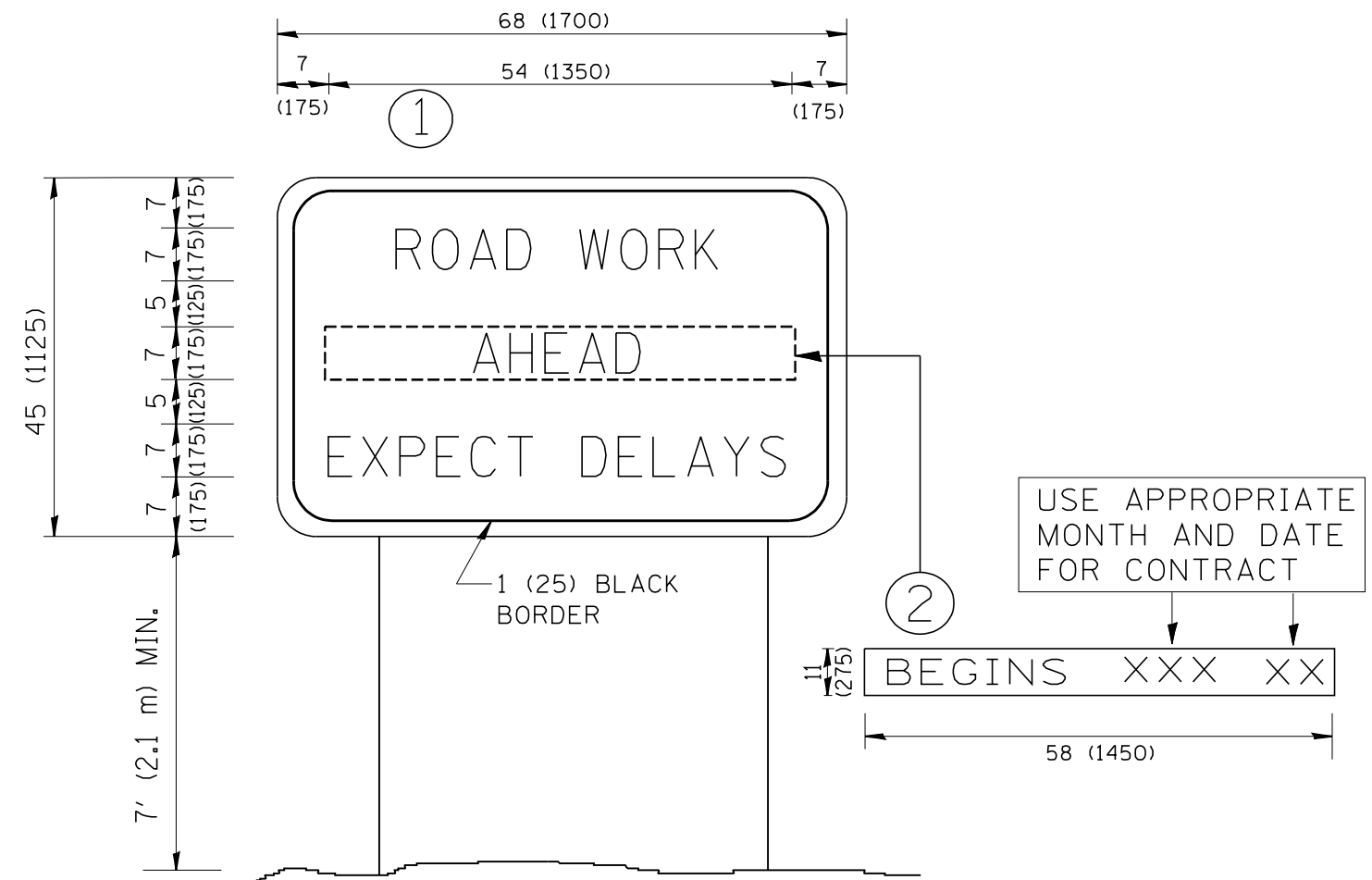
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Default	PLOT SCALE = 50.0000 / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	55
TC-13		CONTRACT NO. 62A41		
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

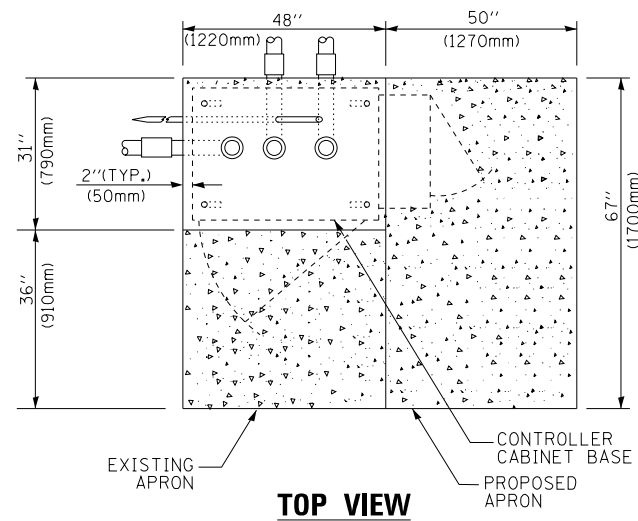
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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

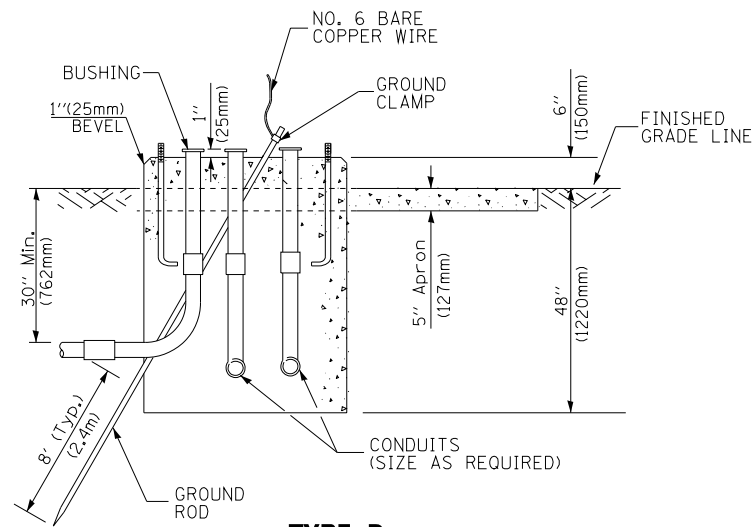
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

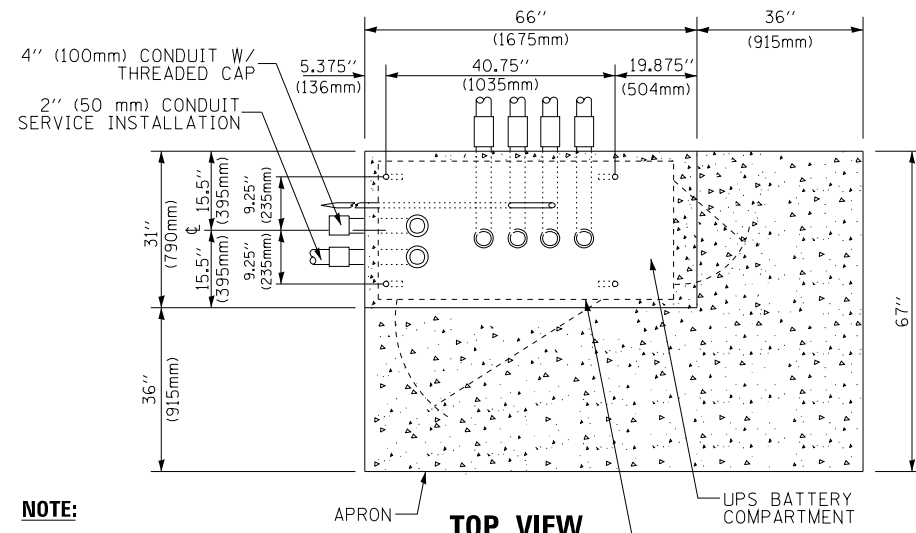
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TC-22			CONTRACT NO. 62A41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



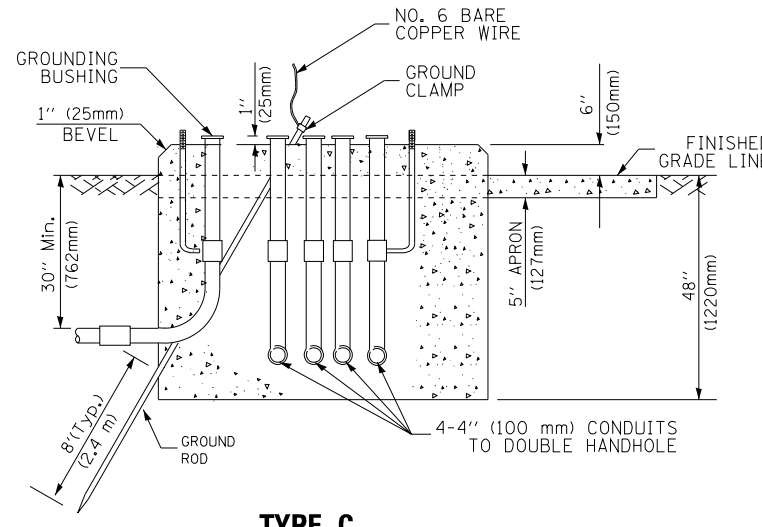
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



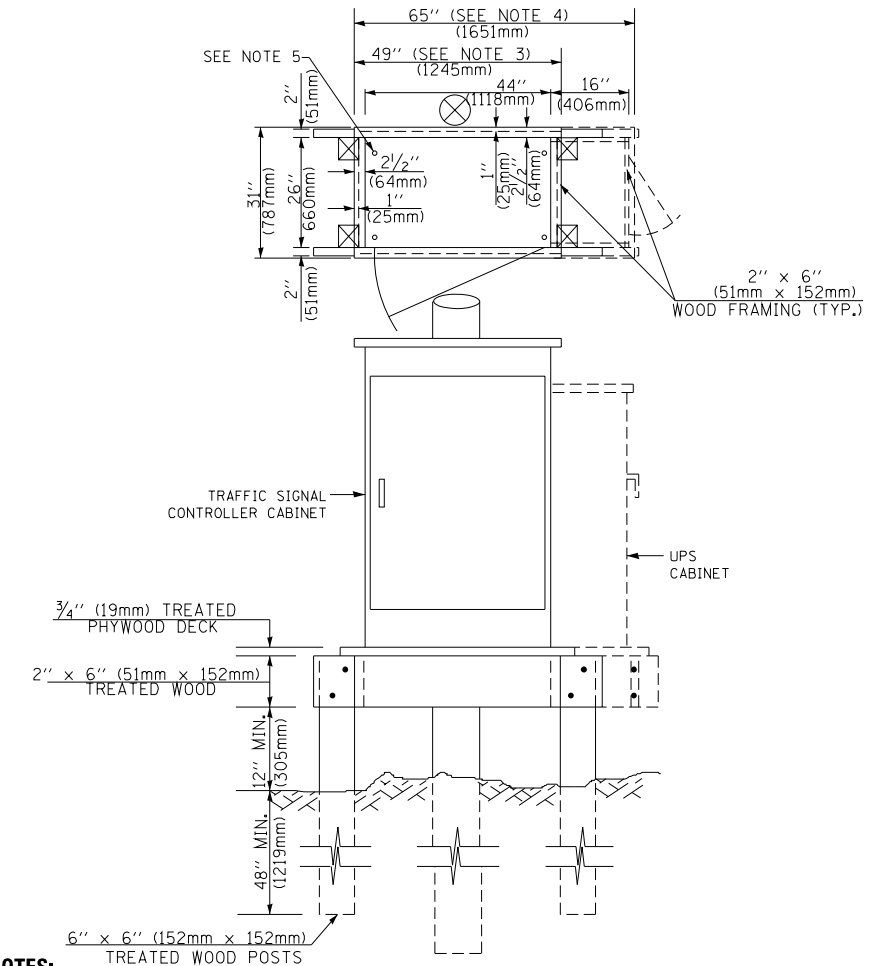
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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ca:\pwork\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

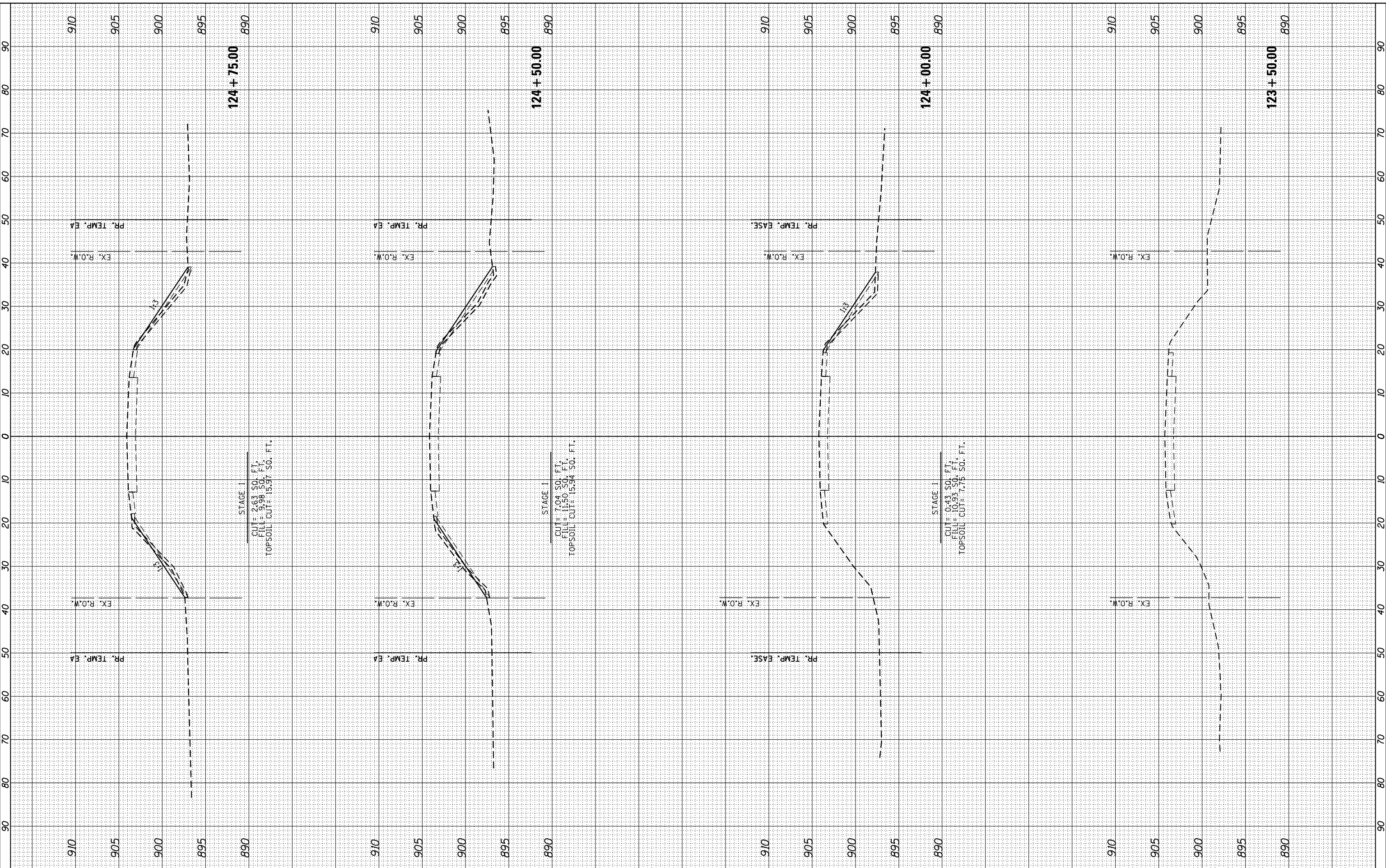
DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B-R	KANE	65	58
TS-05		CONTRACT NO. 62A41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
AREAS CHECKED	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
AREAS CHECKED	AREAS CHECKED	

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USER NAME = johnn	DESIGNED - TGM	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 11/17/2016	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL ROUTE 72 (HIGGINS ROAD)			
SCALE:	SHEET 1	OF 7 SHEETS	STA. 123+50.00 TO STA. 124+75.00

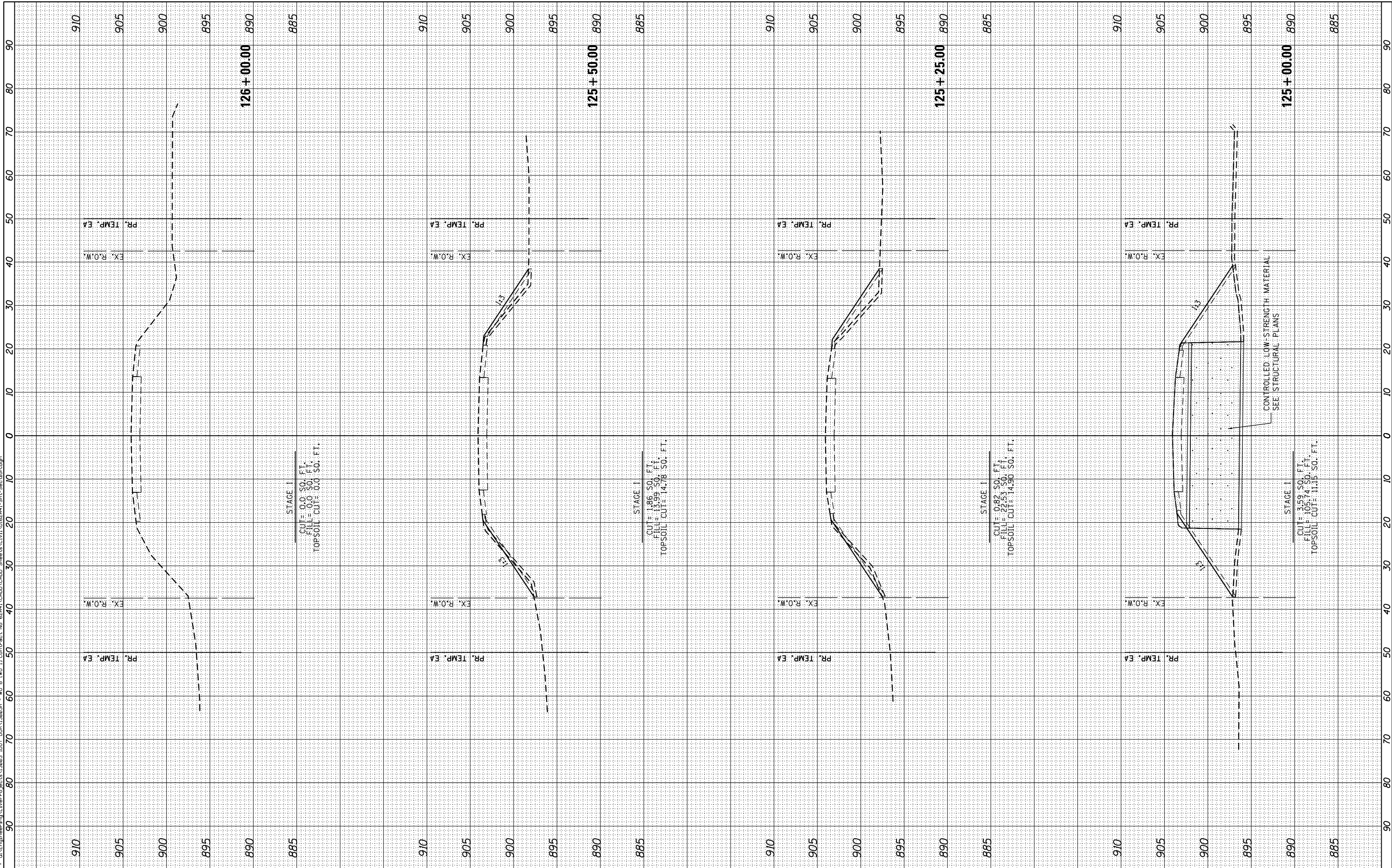
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B	KANE	65	59
CONTRACT NO. 62A41				

ILLINOIS FED. AID PROJECT

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

FILE NAME = G:\Engineering\Live\Projects\13093\DOT\04R13093\08 - NO 8 IWD II Contract No 62A41\CADD\CADD Sheets\Civil\0624M-Str-Section.dgn



STAGE I
CUT= 0.0 SO. FT.
FILL= 0.0 SO. FT.
TOPSOIL CUT= 0.0 SO. FT.

STAGE I
CUT= 1.86 SO. FT.
FILL= 13.99 SO. FT.
TOPSOIL CUT= 14.78 SO. FT.

STAGE I
CUT= 0.82 SO. FT.
FILL= 22.53 SO. FT.
TOPSOIL CUT= 14.30 SO. FT.

STAGE I
CUT= 3.59 SO. FT.
FILL= 10.42 SO. FT.
TOPSOIL CUT= 11.35 SO. FT.



USER NAME = johnn	DESIGNED - TGM	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 11/17/2016	DATE - 10/19/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

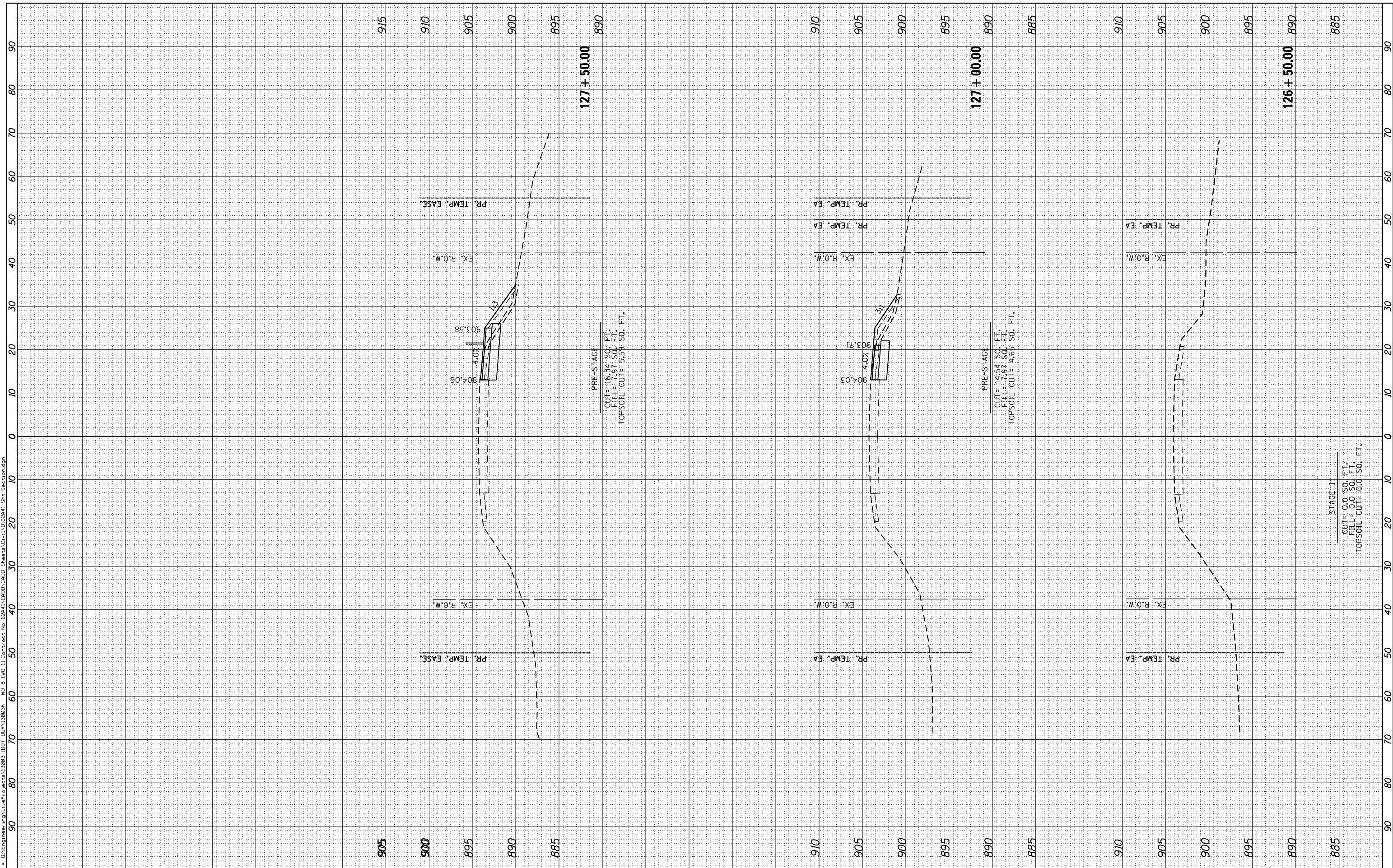
CROSS SECTIONS	
IL ROUTE 72 (HIGGINS ROAD)	
SCALE:	SHEET 2 OF 7 SHEETS STA. 125+00.00 TO STA. 126+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B	KANE	65	60
				CONTRACT NO. 62A41
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

FILE NAME = D:\Engineering\Live\Projects\62A41\62A41-CADD\62A41-CADD_Sheets\Civil\0624M-Str-Section.dgn



PRE-STAGE
CUT = 16.34 SO. FT.
FILL = 7.97 SO. FT.
TOPSOIL CUT = 5.59 SO. FT.

PRE-STAGE
CUT = 14.54 SO. FT.
FILL = 7.97 SO. FT.
TOPSOIL CUT = 4.65 SO. FT.

STAGE 1
CUT = 0.0 SO. FT.
FILL = 0.0 SO. FT.
TOPSOIL CUT = 0.0 SO. FT.



USER NAME = johnn	DESIGNED - TGM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 11/17/2016	CHECKED - JMT	REVISED -
	DATE - 10/19/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

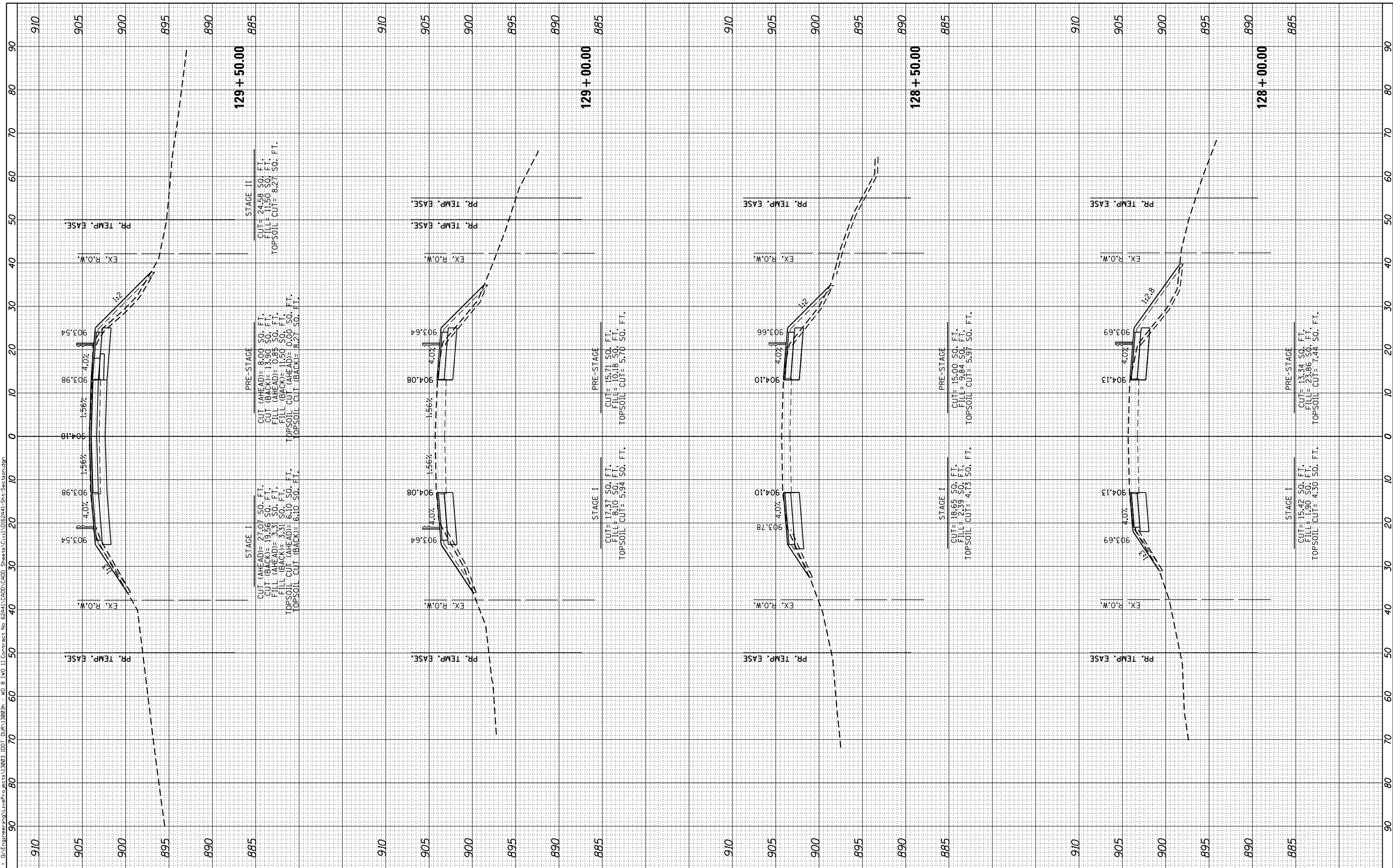
CROSS SECTIONS	
IL ROUTE 72 (HIGGINS ROAD)	
SCALE:	SHEET 3 OF 7 SHEETS STA. 126+50.00 TO STA. 127+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B	KANE	65	61
				CONTRACT NO. 62A41
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

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USER NAME = johnn	DESIGNED - TGM	REVISIED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISIED -
PLOT DATE = 11/17/2016	CHECKED - JMT	REVISIED -
	DATE - 10/19/2016	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

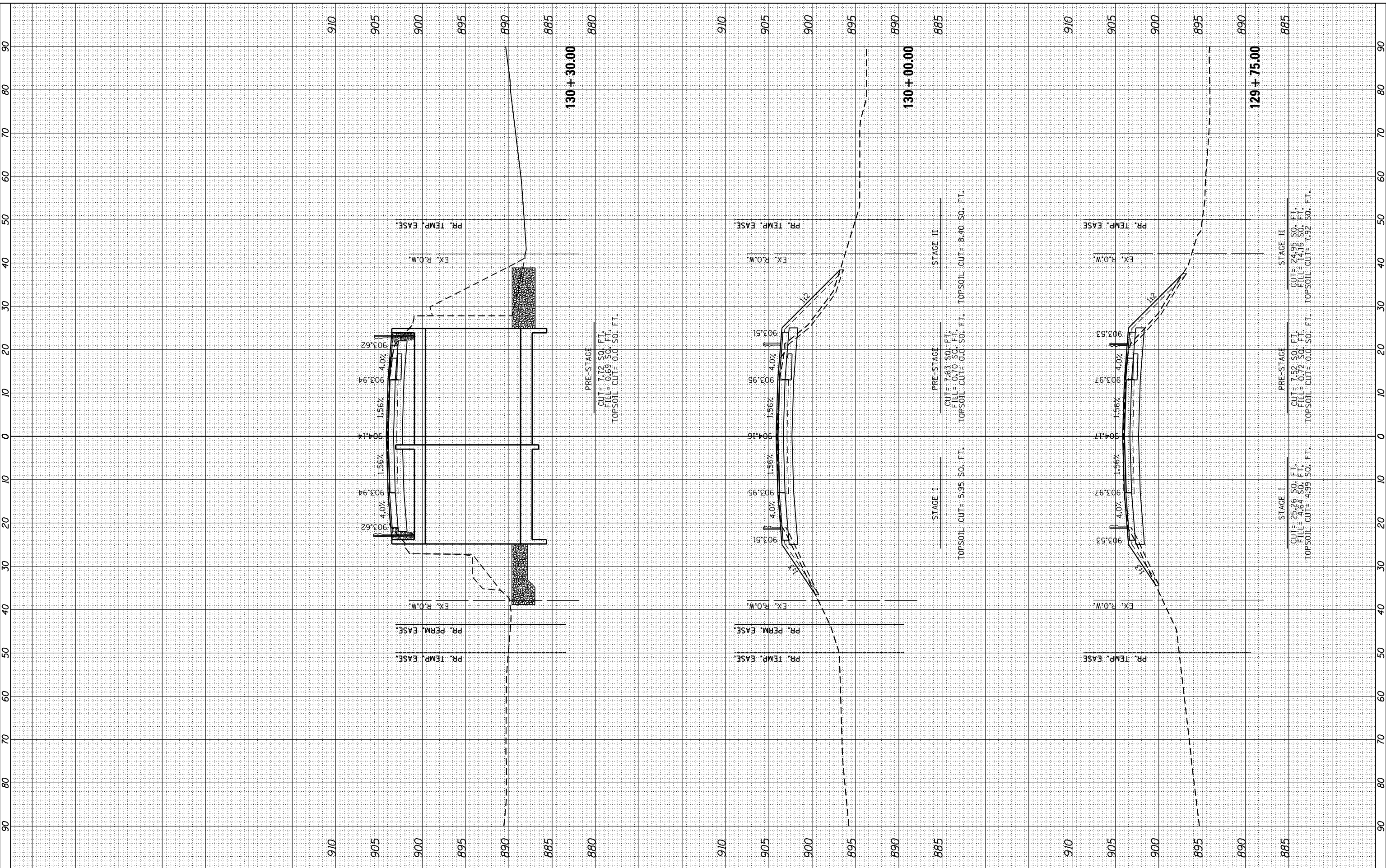
CROSS SECTIONS	
IL ROUTE 72 (HIGGINS ROAD)	
SCALE:	SHEET 4 OF 7 SHEETS STA. 128+00.00 TO STA. 129+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B	KANE	65	62
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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USER NAME = johnn	DESIGNED - TGM	REVISOR -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISOR -
PLOT DATE = 11/17/2016	CHECKED - JMT	REVISOR -
	DATE - 10/19/2016	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

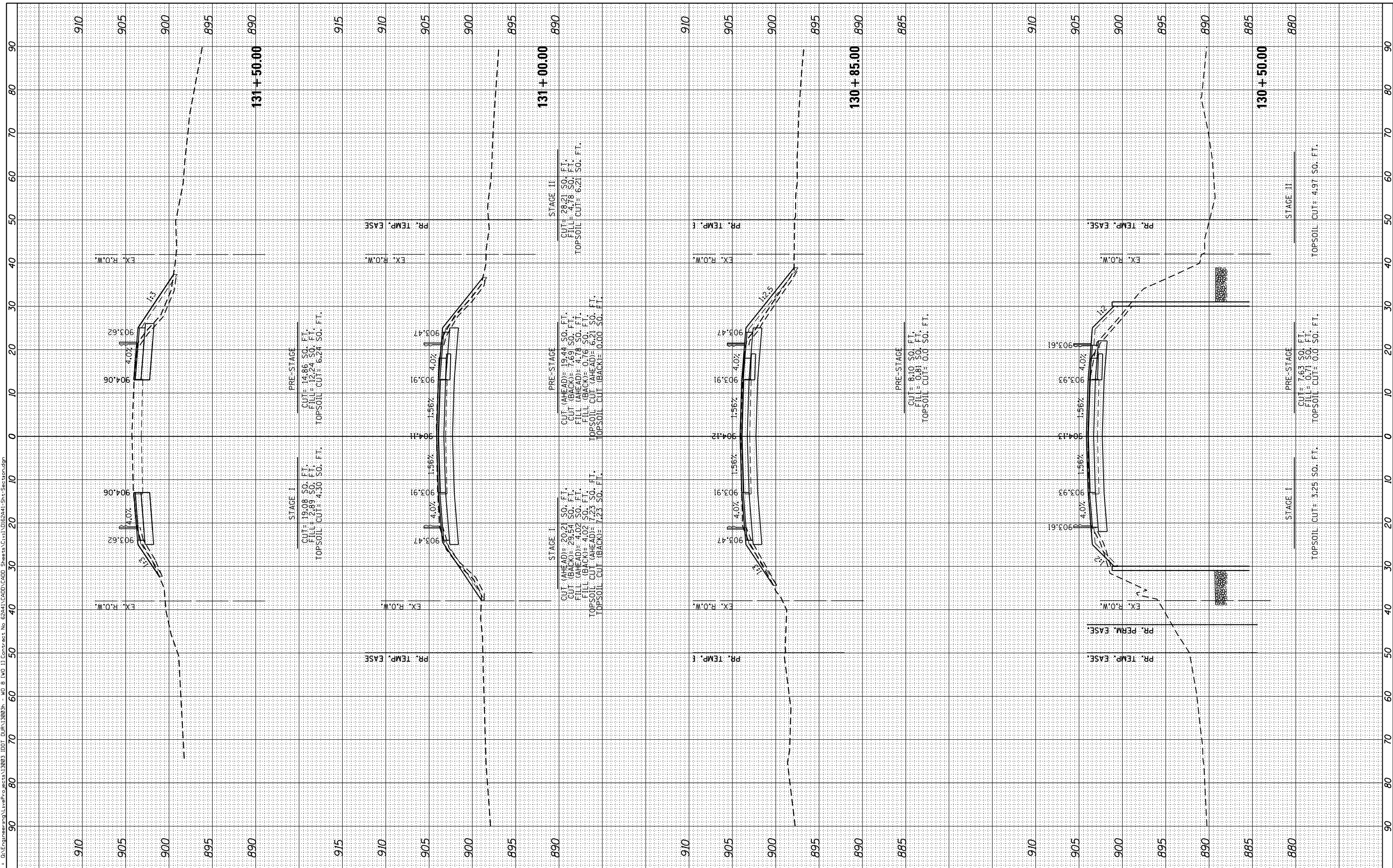
CROSS SECTIONS		
IL ROUTE 72 (HIGGINS ROAD)		
SCALE:	SHEET 5 OF 7 SHEETS	STA. 129+75.00 TO STA. 130+30.00

F.A.P. RTE. 0341	SECTION 2014-089B	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 63
			CONTRACT NO. 62A41	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

FILE NAME = G:\Engineering\Live\Projects\13003 IDOT CURV\13003ch - NO 8 IWO II Contract No 62A41\CHDD\CHDD Sheets\Civil\130624M1-Sht-Section.dgn



USER NAME = johnn	DESIGNED - TGM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 11/17/2016	CHECKED - JMT	REVISED -
	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

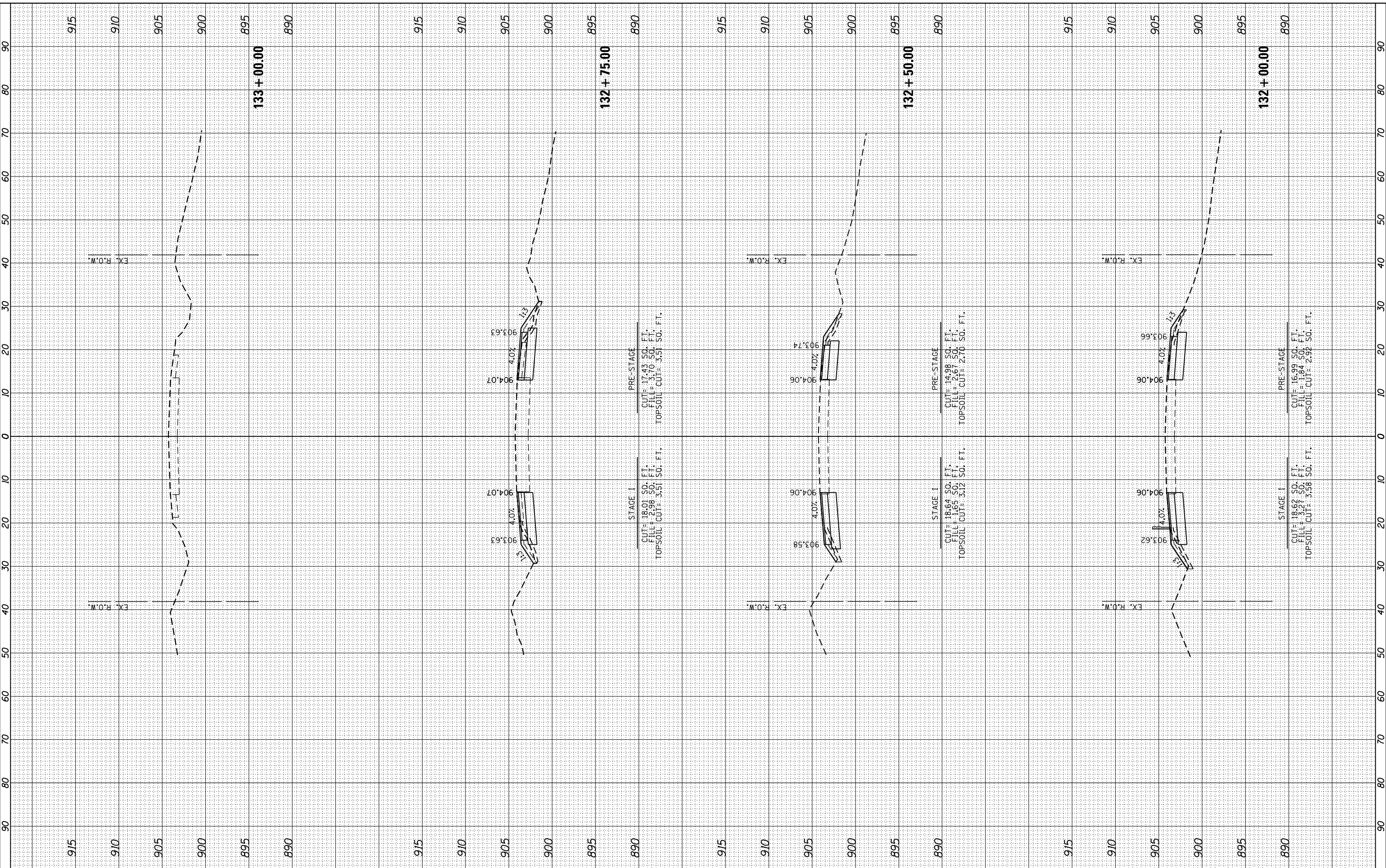
CROSS SECTIONS	
IL ROUTE 72 (HIGGINS ROAD)	
SCALE:	SHEET 6 OF 7 SHEETS STA. 130+50.00 TO STA. 131+50.00

F.A.P. RTE. 0341	SECTION 2014-089B	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 64
CONTRACT NO. 62A41				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

FILE NAME = G:\Engineering\Live\Projects\13093\DOT\04R13093\NO 8 TWO 11 Contract No 62A41\CADD\CADD Sheets\Civil\0624M-Str-Section.dgn



STAGE I
CUT= 18.01 SO. FT.
FILL= 2.98 SO. FT.
TOPSOIL CUT= 3.51 SO. FT.

PRE-STAGE
CUT= 17.43 SO. FT.
FILL= 3.70 SO. FT.
TOPSOIL CUT= 3.51 SO. FT.

STAGE I
CUT= 18.64 SO. FT.
FILL= 1.65 SO. FT.
TOPSOIL CUT= 3.12 SO. FT.

PRE-STAGE
CUT= 14.98 SO. FT.
FILL= 2.67 SO. FT.
TOPSOIL CUT= 2.70 SO. FT.

STAGE I
CUT= 18.62 SO. FT.
FILL= 1.65 SO. FT.
TOPSOIL CUT= 3.56 SO. FT.

PRE-STAGE
CUT= 16.99 SO. FT.
FILL= 1.87 SO. FT.
TOPSOIL CUT= 2.92 SO. FT.



USER NAME = johnn	DESIGNED - TGM	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 11/17/2016	DATE - 10/19/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 72 (HIGGINS ROAD)

SCALE: SHEET 7 OF 7 SHEETS STA. 132+00.00 TO STA. 133+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	2014-089B	KANE	65	65
CONTRACT NO. 62A41				

ILLINOIS FED. AID PROJECT